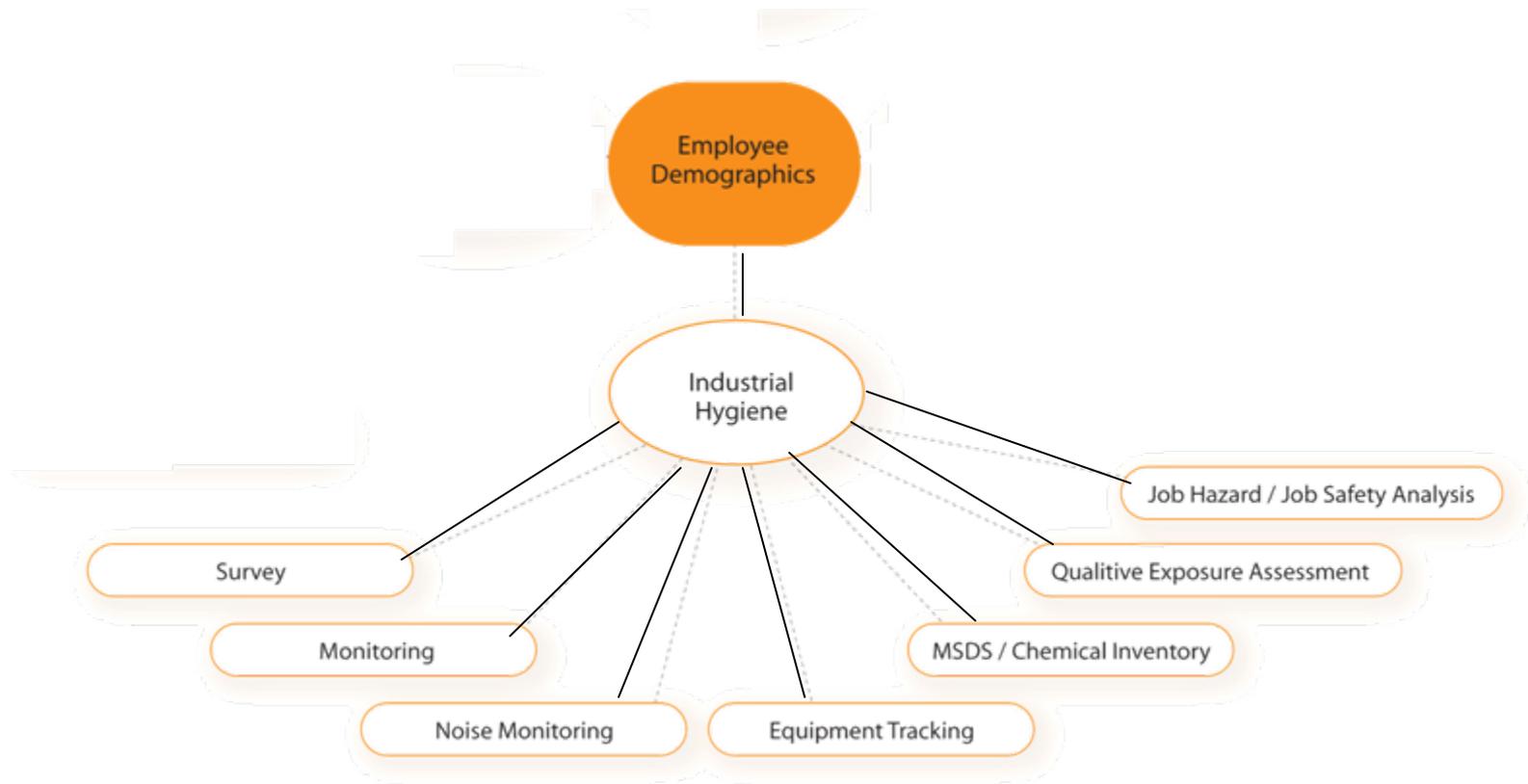




Where people matter more.

Industrial Hygiene

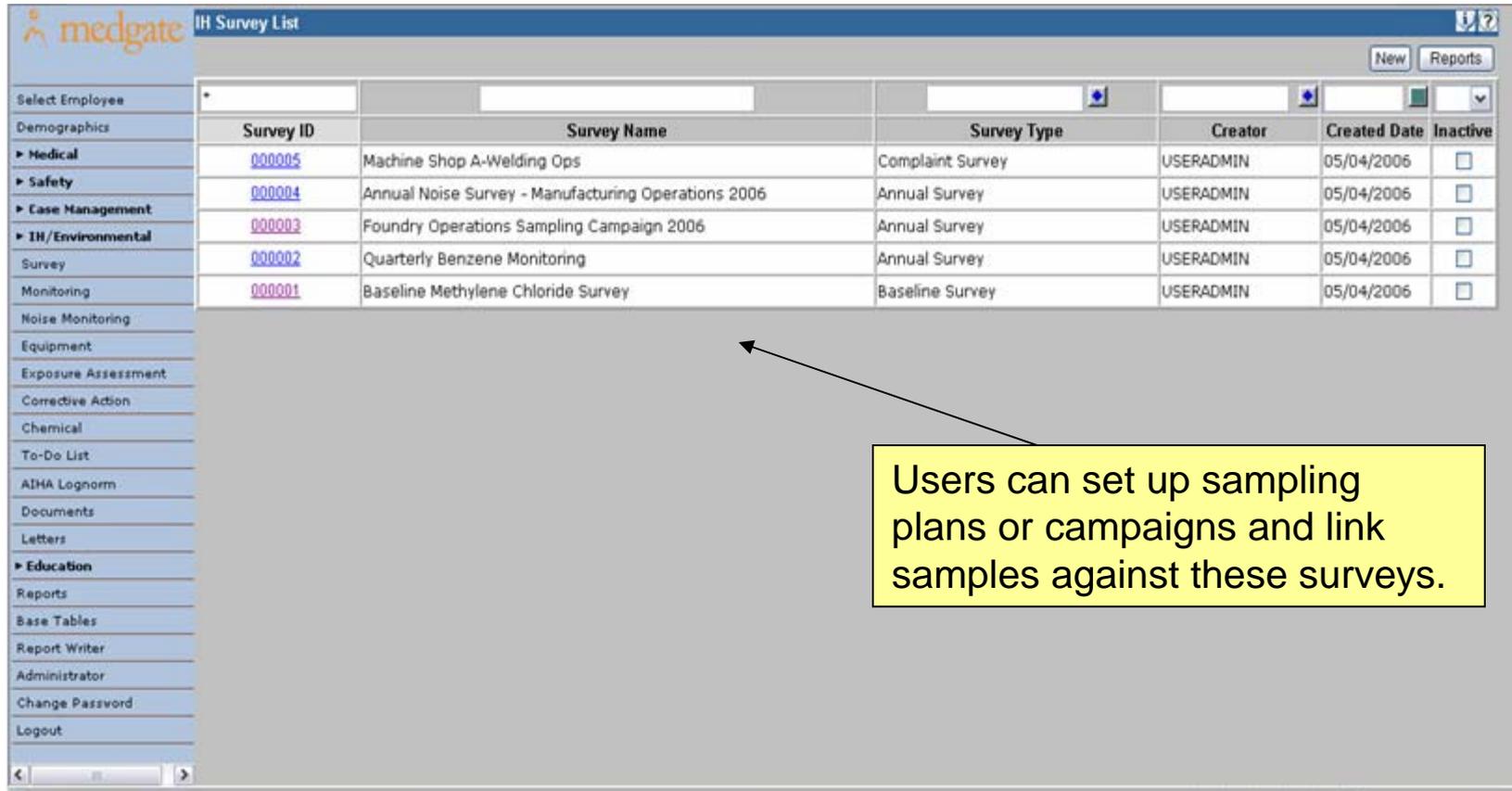
Medgate's Industrial Hygiene Offering



Surveys/Sampling Plans

This module allows users to set up sampling plans or surveys and link samples against this survey

IH Survey Module



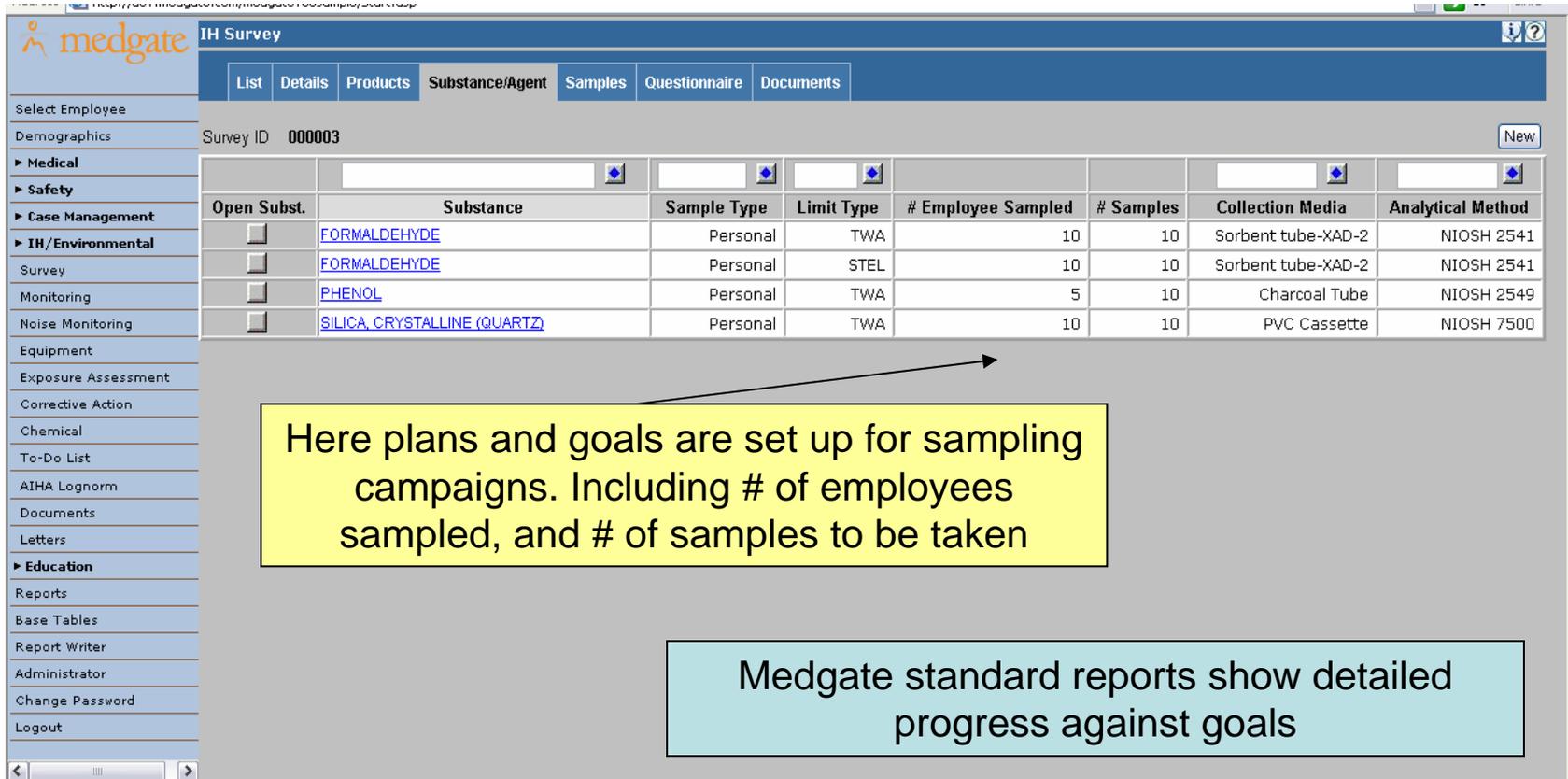
IH Survey List

New Reports

Survey ID	Survey Name	Survey Type	Creator	Created Date	Inactive
000005	Machine Shop A-Welding Ops	Complaint Survey	USERADMIN	05/04/2006	<input type="checkbox"/>
000004	Annual Noise Survey - Manufacturing Operations 2006	Annual Survey	USERADMIN	05/04/2006	<input type="checkbox"/>
000003	Foundry Operations Sampling Campaign 2006	Annual Survey	USERADMIN	05/04/2006	<input type="checkbox"/>
000002	Quarterly Benzene Monitoring	Annual Survey	USERADMIN	05/04/2006	<input type="checkbox"/>
000001	Baseline Methylene Chloride Survey	Baseline Survey	USERADMIN	05/04/2006	<input type="checkbox"/>

Users can set up sampling plans or campaigns and link samples against these surveys.

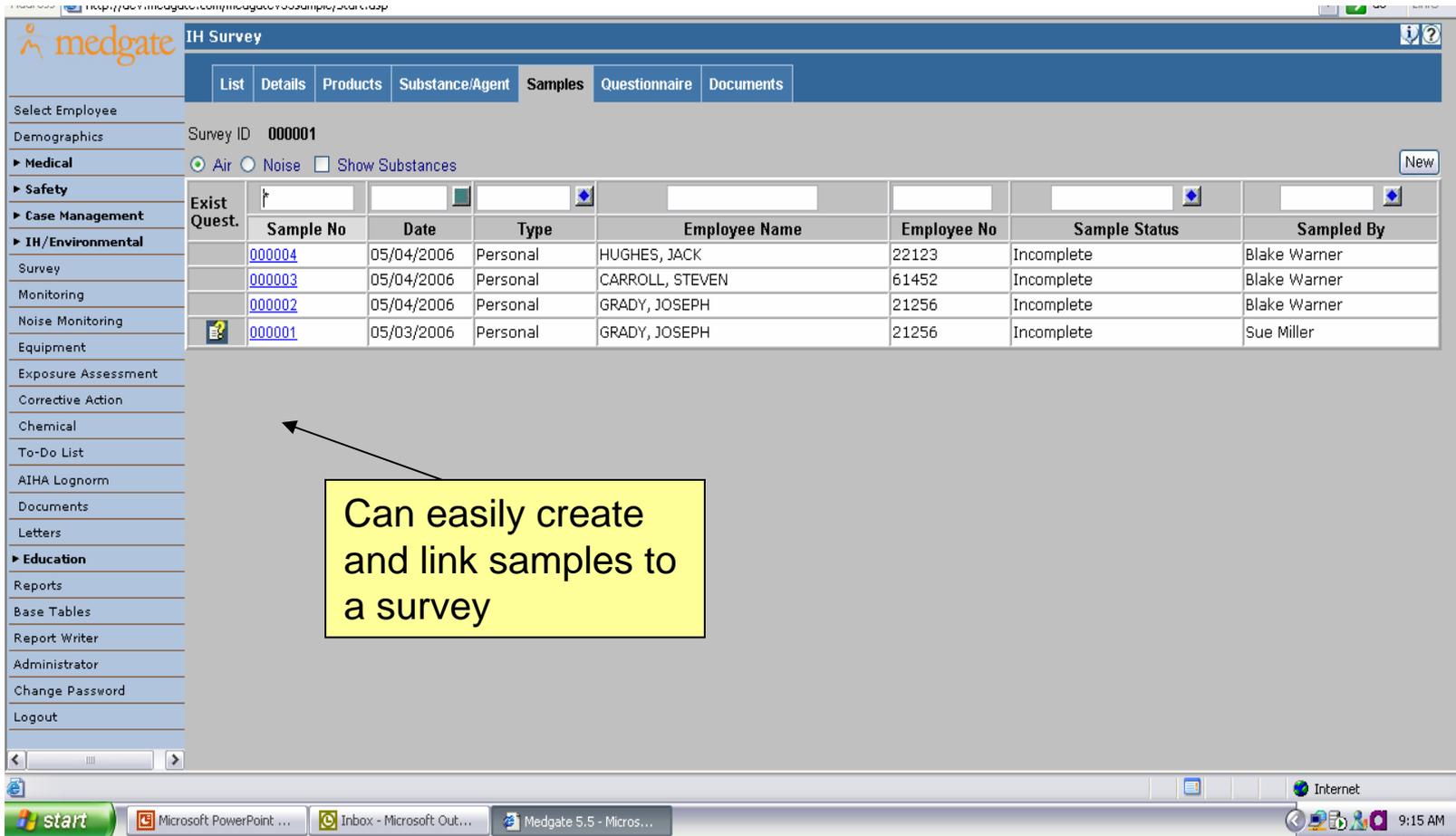
IH Survey – Define Sampling Goals



The screenshot shows the 'IH Survey' interface with a navigation menu on the left and a table of sampling goals. The table includes columns for Open Subst., Substance, Sample Type, Limit Type, # Employee Sampled, # Samples, Collection Media, and Analytical Method. A yellow callout box points to the table with the text: 'Here plans and goals are set up for sampling campaigns. Including # of employees sampled, and # of samples to be taken'. A light blue callout box at the bottom right states: 'Medgate standard reports show detailed progress against goals'.

Open Subst.	Substance	Sample Type	Limit Type	# Employee Sampled	# Samples	Collection Media	Analytical Method
<input type="checkbox"/>	FORMALDEHYDE	Personal	TWA	10	10	Sorbent tube-XAD-2	NIOSH 2541
<input type="checkbox"/>	FORMALDEHYDE	Personal	STEL	10	10	Sorbent tube-XAD-2	NIOSH 2541
<input type="checkbox"/>	PHENOL	Personal	TWA	5	10	Charcoal Tube	NIOSH 2549
<input type="checkbox"/>	SILICA_CRYSTALLINE (QUARTZ)	Personal	TWA	10	10	PVC Cassette	NIOSH 7500

IH Survey – Link Samples



The screenshot shows the Medgate software interface for an IH Survey. The 'Samples' tab is selected, displaying a table of sample data. A yellow callout box with an arrow points to the table, stating 'Can easily create and link samples to a survey'.

Exist	Sample No	Date	Type	Employee Name	Employee No	Sample Status	Sampled By
	000004	05/04/2006	Personal	HUGHES, JACK	22123	Incomplete	Blake Warner
	000003	05/04/2006	Personal	CARROLL, STEVEN	61452	Incomplete	Blake Warner
	000002	05/04/2006	Personal	GRADY, JOSEPH	21256	Incomplete	Blake Warner
	000001	05/03/2006	Personal	GRADY, JOSEPH	21256	Incomplete	Sue Miller

Reports

Air Sampling Plan Completion Status Report

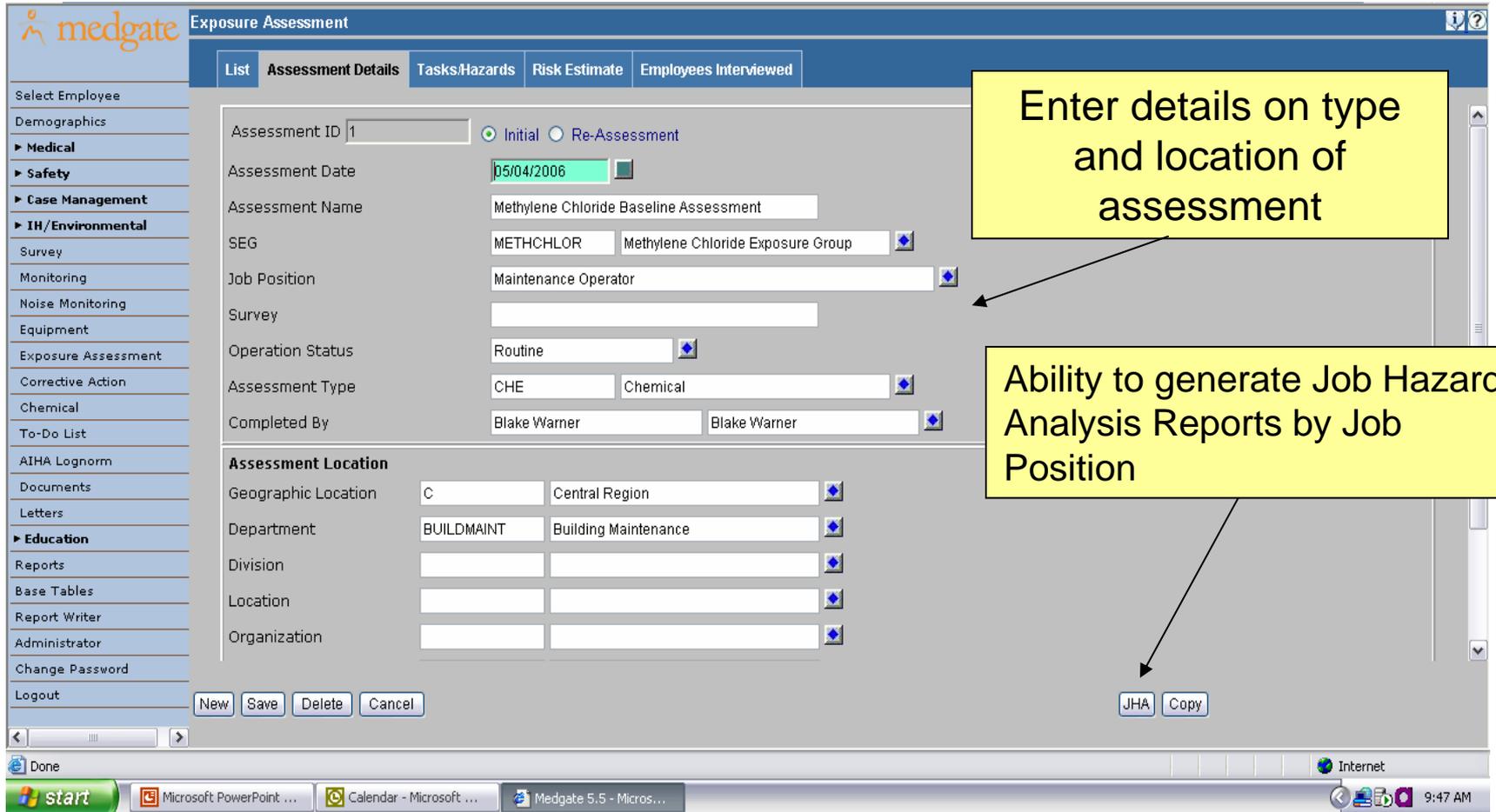
Page 1 / 1
 Date 04/05/2007
 Report IHSurveySummaryReport.rpt

Location: All

Survey No	Survey Name	Type	Department	Survey Date From	Survey Date To	Status	Samples Completed	Samples Planned	Percent Complete
000001	Baseline Methylene Chloride Survey	Baseline Survey		05/08/2006	12/31/2006	Active	10	45	22.2%
000002	Quarterly Benzene Monitoring	Annual Survey		01/01/2006	12/31/2006	Active	11	35	31.4%
000003	Foundry Operations Sampling Campaign 2006	Annual Survey		01/01/2006	03/01/2007	Active	10	40	25.0%
000004	Noise Complaint-Building 1623	Complaint Survey		01/01/2006	12/31/2006	Active	0		
000005	Machine Shop A-Welding Ops	Complaint Survey			12/31/2006	Active	0		
000006	Laboratory A Baseline Survey	Annual Survey		05/01/2006	12/31/2006	Active	2	14	14.3%
000007	Odor Complaint-Aircraft Maintenance Hangar 1623	Complaint Survey		01/02/2006	12/31/2006	Active	0	10	0.0%
000008		Baseline Survey		03/02/2005	12/31/2007	Active	0	10	0.0%
							33	154	21.4%

Exposure Assessment (Qualitative Assessment)

Qualitative Assessments/ Job Hazard Assessment (JHAs)



medgate Exposure Assessment

List Assessment Details Tasks/Hazards Risk Estimate Employees Interviewed

Select Employee

Demographics

► Medical

► Safety

► Case Management

► IH/Environmental

Survey

Monitoring

Noise Monitoring

Equipment

Exposure Assessment

Corrective Action

Chemical

To-Do List

AIHA Lognorm

Documents

Letters

► Education

Reports

Base Tables

Report Writer

Administrator

Change Password

Logout

New Save Delete Cancel

Assessment ID 1 Initial Re-Assessment

Assessment Date 05/04/2006

Assessment Name Methylene Chloride Baseline Assessment

SEG METHCHLOR Methylene Chloride Exposure Group

Job Position Maintenance Operator

Survey

Operation Status Routine

Assessment Type CHE Chemical

Completed By Blake Warner Blake Warner

Assessment Location

Geographic Location C Central Region

Department BUILDMAINT Building Maintenance

Division

Location

Organization

JHA Copy

Done

start Microsoft PowerPoint ... Calendar - Microsoft ... Medgate 5.5 - Micros ...

Internet 9:47 AM

Job Hazard Analysis

Medgate Inc.

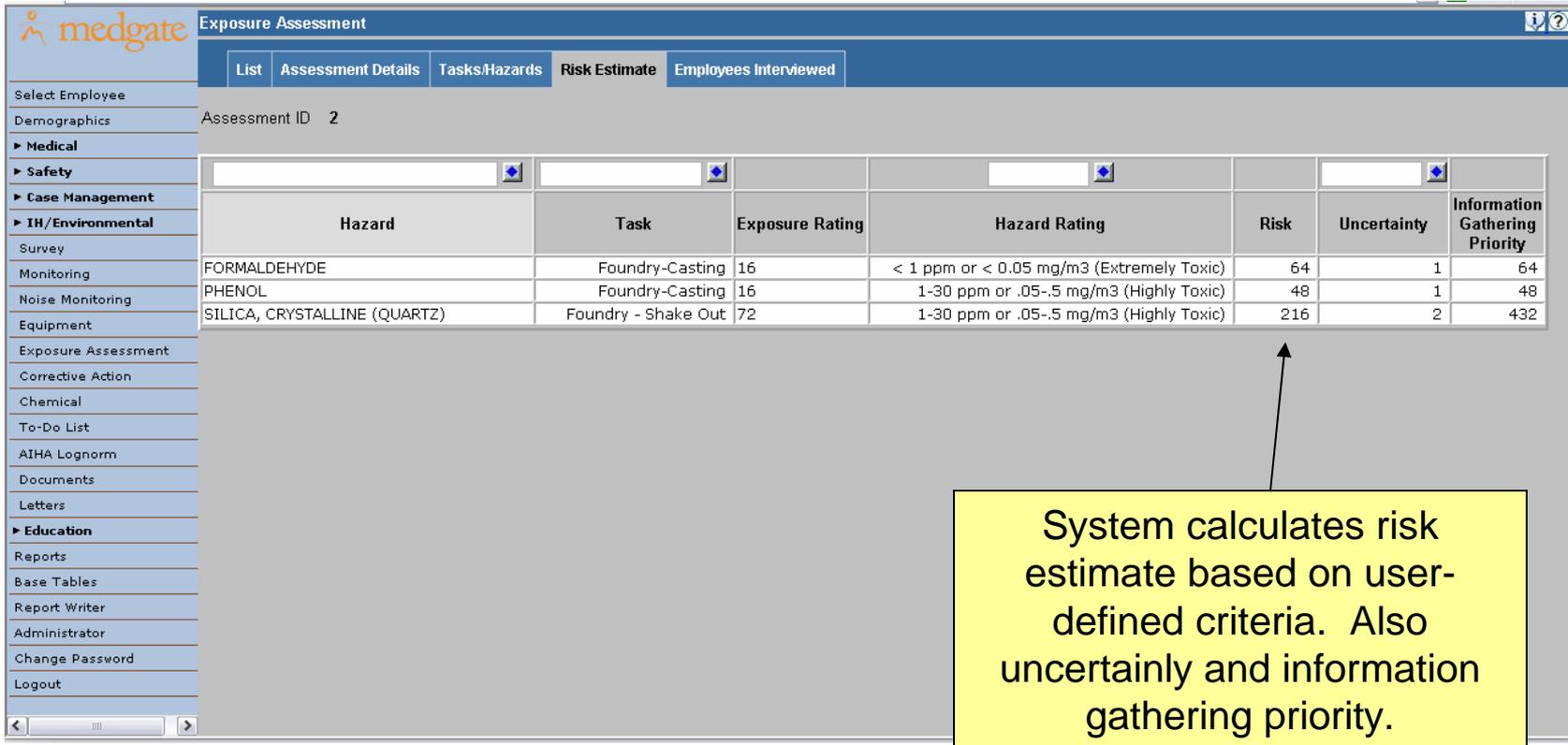
medgate

Job Hazard Analysis Worksheet

Page 1 / 1
 Date 04/30/2007
 Report EAS Job Hazard.rpt

SEG	Methylene Chloride Exposure Group	
Job Position	Maintenance Operator	
Assessment Date	05/04/2006	
Completed By	Blake Warner	
Tasks	Hazards	Recommended Controls
Paint Stripping	METHYLENE CHLORIDE	Safety glasses, gloves, chemical apron Respirator Ventilated Work Area

Exposure Assessment



Exposure Assessment

Assessment ID 2

Hazard	Task	Exposure Rating	Hazard Rating	Risk	Uncertainty	Information Gathering Priority
FORMALDEHYDE	Foundry-Casting	16	< 1 ppm or < 0.05 mg/m3 (Extremely Toxic)	64	1	64
PHENOL	Foundry-Casting	16	1-30 ppm or .05-.5 mg/m3 (Highly Toxic)	48	1	48
SILICA, CRYSTALLINE (QUARTZ)	Foundry - Shake Out	72	1-30 ppm or .05-.5 mg/m3 (Highly Toxic)	216	2	432

System calculates risk estimate based on user-defined criteria. Also uncertainly and information gathering priority.

Risk Summary Report

Exposure Assessment Risk Summary Report

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Date 04/05/2007

Report EASRiskSummary.rpt

Survey No	SEG	Date	Task	Hazard	Exp Rating	Risk	Uncertainty	Information Gathering
	Benzene Exposure Group	05/04/2006	Refueling	BENZENE	96	288	2	576
	Methylene Chloride Exposure Group	05/04/2006	Paint Stripping	METHYLENE CHLORIDE	192	576	1	576
	Silica Exposure Group	05/04/2006	Foundry-Casting	FORMALDEHYDE	32	128	1	128
	Silica Exposure Group	05/04/2006	Foundry-Casting	PHENOL	48	144	1	144
	Silica Exposure Group	05/04/2006	Foundry - Shake Out	SILICA, CRYSTALLINE QUARTZ (RESPIRABLE)	144	432	2	864
	Welder Exposure Group	05/04/2006	Welding-Aluminum	ALUMINUM OXIDE	48	48	0	0
	Welder Exposure Group	05/04/2006	Welding-Aluminum	OZONE	32	128	1	128
	Welder Exposure Group	05/04/2006	Welding-Stainless Steel	CHROMIUM (VI) COMPOUNDS	32	128	1	128
	Welder Exposure Group	05/04/2006	Welding-Stainless Steel	NICKEL, ELEMENTAL METAL	32	96	1	96
	Welder Exposure Group	05/04/2006	Welding-Galvanized Steel	ZINC OXIDE FUME	96	96	1	96

Monitoring

Monitoring

IH Samples i ?

List **Main** **Details** **Substance/Agent** **Controls/Tasks** **Actions** **Questionnaire** **Documents** **Notes** **Letters**

Sample No

Master Sample Blank ID

Operation Status

Process

Period Type

Sample Status

Sample Date

Sample Type

Limit Type

Sampled By

Survey No

Sampling Strategy

Direct Reading

Substance Group

Add to Lab Requisition? Lab Name

Lab Requisition No

Approved Void Void Reason Jurisdiction

All details are entered on the sample including: type, strategy

Automatic chain of custody for lab results

Monitoring

medgate
IH Samples [?] [↑]

List Main Details Substance/Agent Controls/Tasks Actions Questionnaire Documents Notes Letters

Select Employee
Demographics

Sample No **000005**

Open Subst.	Substance	><	Conc	Non-Sampled	TWA	OEL	Units	Limit Type	Source	% of OEL
<input type="checkbox"/>	ALUMINUM OXIDE	▼	10		10	15	MG/M3	TWA	OSHA	66.667
<input type="checkbox"/>	CADMIUM FUME	▼	0.1		0.1	0.1	MG/M3	TWA	OSHA	100.000
<input type="checkbox"/>	CHROMIUM (III) COMPOUNDS (AS CR)	▼	0.25		0.25	0.5	MG/M3	TWA	OSHA	50.000
<input type="checkbox"/>	CHROMIUM (VI) COMPOUNDS	▼	10		10	5	UG/M3	TWA	OSHA	200.000
<input type="checkbox"/>	IRON OXIDE FUME	▼	12		12	10	MG/M3	TWA	OSHA	120.000
<input type="checkbox"/>	LEAD INORGANIC (AS PB)	▼	25		25	50	UG/M3	TWA	OSHA	50.000
<input type="checkbox"/>	NICKEL, ELEMENTAL/METAL	▼	0.5		0.5	1	MG/M3	TWA	OSHA	50.000
<input type="checkbox"/>	ZINC OXIDE FUME	▼	4		4	5	MG/M3	TWA	OSHA	80.000

Substances are added on the substance table. Medgate includes all OSHA Pels and ACGIH TLVs

IH Samples- OEL Adjustment Capability

Agent/Substance Edit

Substance: CADMIUM FUME

Analytical Method: NIOSH 7300

Analytical Method Description: Elements by ICP

Amount: [] Filter Amt: [] Units: []

Concentration: 0.1 Units: MG/M3 TWA: 0.1

Non-Sampled Concentration: Same as Sampled Non-Sampled: 0

Reduction Factor

Adjust OEL:

Daily Reduction Factor: 0.7 Weekly Reduction Factor: 0.7375 (Brief and Scala)

Actual Reduction Factor Used: 0.7

Reduction Factor Comments: Brief and Scala Calculated Daily Reducation Factor Used.

Brief and Scala method for OEL reduction

Laboratory Interface

Grant access to your laboratories to enter data directly in the Medgate system through secured site.

New Laboratory Interface Feature
 Secured laboratory access. Laboratory can load results directly into Medgate for samples that have been sent to their laboratory.

The screenshot shows the Medgate 6.0 web application interface. A yellow callout box highlights a new feature: "New Laboratory Interface Feature: Secured laboratory access. Laboratory can load results directly into Medgate for samples that have been sent to their laboratory." The main content area displays a "LabRequisition List" table with the following data:

Results	Requisition #	Sample No	Sample Status	Date Sent	Lab.	Sampled By
<input type="checkbox"/>	1	000065	Sent to Lab	04/17/2004	Inhouse Laboratory	Tom Harris
<input type="checkbox"/>	1	000066	Sent to Lab	04/17/2004	Inhouse Laboratory	Tom Harris
<input type="checkbox"/>	2	000067	Sent to Lab	04/17/2004	Inhouse Laboratory	
<input type="checkbox"/>	3	000064	Sent to Lab	03/30/2007	Metpath	
<input type="checkbox"/>	3	000068	Sent to Lab	03/30/2007	Metpath	
<input type="checkbox"/>	4	000063	Sent to Lab	03/30/2007	Quest Laboratory	

The interface includes a left-hand navigation menu with categories like Medical, Safety, Case Management, and IH/Environmental. The "Requisitions" menu item is currently selected. The browser window title is "Medgate 6.0 - Windows Internet Explorer" and the address bar shows "http://localhost/medgatev60/Start.asp". The Windows taskbar at the bottom shows the Start button, MSN Messenger, and several open applications including Microsoft Outlook, Microsoft Excel, and the Medgate 6.0 application.

Equipment Tracking

IH Equipment Module

http://dev.medgate.com/medgatev55sample/IH/IHSamplingEquipment.asp?code=CAL1 - Microsoft Int...

IH Sampling Equipment

Calibrator Air Noise Direct Reading Inactive

Equipment Code

Description

Model

Serial No

Type

Supplier

Purchase Date Initial Cost

Purchaser

Last Calibration Date Next Calibration Date

Last Maintenance Date Next Maintenance Date

Maintenance Type

Calibration Period Calibration Cost

Status

Assigned To

Comments

Repair History

Web site

Geographic Location

Inventory, manage and track sampling equipment including calibration and maintenance activity. Automatic recalls can be generated when maintenance/calibration is due.

Equipment pick-lists in sampling modules filter based of equipment type and geographic location

Calibration Recall Report

medgate

IH Sampling Equipment Calibration Recall

Page 1 / 1

Date 04/05/2007

Report IHEquipmentCalRecalls.rpt

Overdue

IH Equipment	Serial No	Calibration Date	Assigned To
QRAE Plus Four-Way Gas Meter	X975867349890	04/01/2006	
Quest SoundPro DLX	Y97945803485	04/01/2006	
Dräger PAC III CO2	Y9756983090	07/01/2006	
EntryRAE Confined Space Monitor w/ PID	X8756984385	08/01/2006	
MiniRAE 2000 Photoionization Detector	X3754873874	09/01/2006	
Quest Noise Pro DL	X98760985587	09/01/2006	
Quest Noise Pro DLX	Y764983409376	09/01/2006	
UltraRAE for Benzene	X97573980329	09/01/2006	
X-am 3000 Monitor	X8746538093	09/01/2006	
GAST High Flow	Y9875086096	10/01/2006	
Gillian Low Flow	Y87598609650	10/01/2006	

Documents

IH Documents List

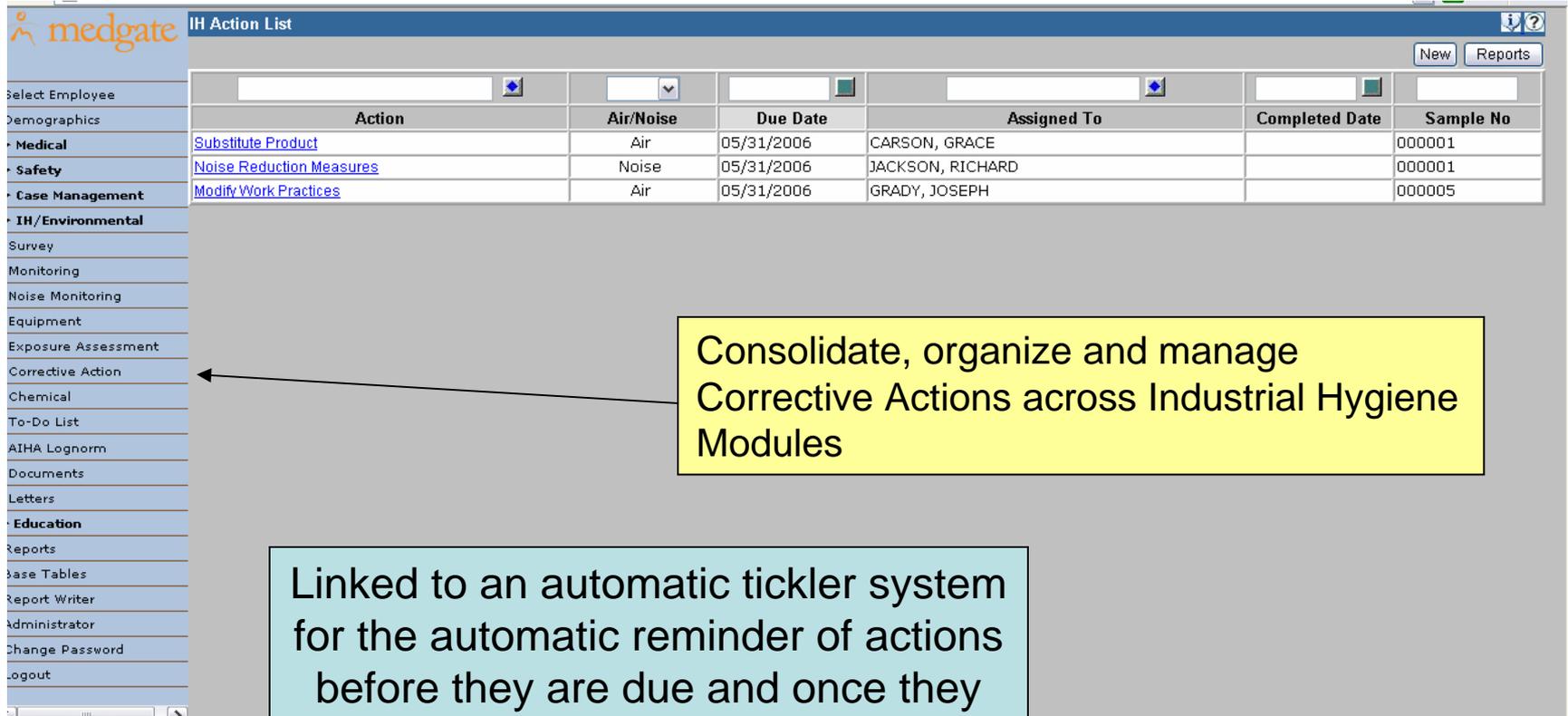
Air
 Noise
 Survey
 Review Scanned Documents

Open Doc.	Sample No	Survey ID	Employee Name	Employee No	Document Type	Doc. Date	Description	Received From
	000060		GRADY, JOSEPH	21256	Photograph	03/30/2007	Field Photo	Sue Smith
	000057		BROWN, JENNA	80234	Lab Report	03/30/2007	ACME Lab Report	Kathy Miller

<http://localhost/medgatev60/Documents/MedgateDocumentViewer.ASP?ID=48&ModID=IH&argMode=undefi...>

Unlimited number of external documents can be linked to a sample including: images, sound files, documents

IH Corrective Actions Module



The screenshot shows the 'IH Action List' window with a table of corrective actions. The table has columns for Action, Air/Noise, Due Date, Assigned To, Completed Date, and Sample No. The 'Corrective Action' menu item in the left sidebar is highlighted, with an arrow pointing to a yellow callout box.

Action	Air/Noise	Due Date	Assigned To	Completed Date	Sample No
Substitute Product	Air	05/31/2006	CARSON, GRACE		000001
Noise Reduction Measures	Noise	05/31/2006	JACKSON, RICHARD		000001
Modify Work Practices	Air	05/31/2006	GRADY, JOSEPH		000005

Consolidate, organize and manage Corrective Actions across Industrial Hygiene Modules

Linked to an automatic tickler system for the automatic reminder of actions before they are due and once they become overdue.

There is much more to Medgate's products and services!



- Call a Medgate Account Manager for additional information, or to arrange for an online demonstration
- **Toll Free** 1.800.276.9120
- **Email** contactus@medgate.com
- **Web** www.medgate.com