



MONTHLY SAFETY BRIEF: RISK ASSESSMENT

As we introduced in January this year, our focus for 2017 will be on individual policies that are in our company Safety and Health Manual. This month we highlight our Risk Assessment program. Most of our day to day operations are similar and don't require a safety risk assessment for our operations. We understand the basic hazards and PPE required in our normal activities. For reference, attached are our Job Hazard Assessments for the standard work we perform (IH sampling and asbestos and lead projects).

The key point this month is to be aware of our projects that may pose unique safety and health situations that require additional thought and even a formal risk assessment through a job hazard analysis. Work with your project managers when necessary to complete a JHA if necessary on your jobs. The Risk Assessment section from our Safety and Health Manual is below:

6.1 RISK ASSESSMENT

Hygieneering's formal risk assessment and hazard identification program consists of the following:

- Job Hazard Assessments (JHAs) for standard services (such as IH sampling, Asbestos and Lead related activities, IAQ and mold services) have been prepared.
- These standard JHAs were completed in consultation with field staff as well as management. These JHAs were conducted by senior staff members (CIHs and CSPs) trained in conducting JHAs. Other project specific JHAs may be conducted by senior staff familiar with the JHA process and appropriate other training on PPE, engineering controls, etc.
- For any jobs that may pose unique health and safety hazards, project specific JHAs will be conducted. If sub-contractors are involved, they will be included in the JHA review process. The Safety Committee and/or Safety Director will review JHAs completed.
- The JHA template is provided in Appendix B as Form – 3. The process includes a mechanism to prioritize and rank hazards based on severity and probability.
- The JHAs prepared are provided to all staff. The JHAs include appropriate steps to address any hazards identified.
- The program is set up to ensure employees and/or sub-contractors are actively involved in the hazard identification process and hazards are reviewed with all employees concerned. The Project Manager will determine those workers necessary to be involved in the JSA process. Workers and their elected representatives may participate in the development of the JSA process and worker safety and health program goals, objectives, and performance measures and in the identification and control of hazards in the workplace.
- The JSA/hazard identification process is used for routine and non-routine activities as well as new processes, changes in operation, products or services as applicable.
- Hazards identified are classified/prioritized and addressed based on the risk associated with the task / i.e.: use of risk analysis matrix outlining severity and probability. See JSA form.
- Hazards identified through the JSA process will be addressed by the Project Manager and Safety Team, as necessary. Written abatement steps shall be recorded on the JSA forms and/or on the Project Assignment Sheets. Implementation of any specific controls or hazard abatement techniques will be reviewed and approved by the Safety Director or the Vice President of Operations.
- Supervisors that conduct the JSAs and employees that participate in the JSA process will be trained in the hazard identification process including the use and care of proper PPE.

Job Hazard Analysis Worksheet

Standard Service Job Hazard Assessment

Job Description: Asbestos Abatement Project Management Services

2/2011

Task	Hazard(s)	Control Measure(s) Required
Air-sampling/Project Management	Electrical	<ul style="list-style-type: none"> – Ensure all electronics devices are suitable for use in the sampling environment (e.g. battery powered devices are used in damp/wet areas; use GFCI for all corded devices, etc...)
Air-sampling/Project Management	Noise	<ul style="list-style-type: none"> – When air-sampling/inspecting work activities in areas with noise levels above 85 dBA, wear hearing protection.
Air-sampling/Project Management	Physical	<ul style="list-style-type: none"> – Be aware of your surroundings, stay a safe distance from machinery/powerd industrial vehicles, and use proper lifting when transporting air-sampling equipment.
Ladder use	Fall hazard	<ul style="list-style-type: none"> – Inspect ladder for defects/damage before use, do not use if damaged. – Maintain 3 point contact at all times while using ladder. – Use fall protection if using > 6' ladder. – Ensure proper ladder footing (flat/level surface). – When using an extension ladder, use the 1:4 ratio to ensure ladder is properly sloped.
Scaffold use	Fall hazard	<ul style="list-style-type: none"> – You must have proper training and documentation to work on scaffolds. Ensure this is in place with your Project Manager. – Ensure scaffold is properly tagged/ok for use. – Ensure wheels locked/chocked if using a rolling scaffold (don't move scaffold while on it). – Ensure scaffold is level. – Wear fall protection when scaffold is > 4' (general industry)/ > 6' (construction) above the working surface. – Additional Training and Documentation is Required for work above 4'. Contact your PM if this is necessary.
Air-sampling/Project Management (inside of containment)	Thermal	<ul style="list-style-type: none"> – Ensure all employees stay hydrated and take adequate breaks in high heat/humidity environments.
Air-sampling/Project Management (inside of containment)	Asbestos exposure	<ul style="list-style-type: none"> – PPE: ½ mask w/ P100 filters (minimum), tyvek suit, safety glasses, rubber/washable boots. – Ensure contractor is utilizing wet methods and proper removal/bagging techniques to reduce dust generation. – Properly shower out/decontaminate when exiting containment.
Air-sampling/Project Management (inside of containment)	Sparks, flying debris, etc.	<ul style="list-style-type: none"> – Wear eye protection when entering the containment to protect eyes from flying debris generated during abatement activities.
Working in low headroom areas or areas with overhead work.	Bump hazard/falling objects.	<ul style="list-style-type: none"> – Wear hard hat. – Communicate job activities with crew working overhead.
Inspection	Confined Spaces	<ul style="list-style-type: none"> – Do Not Enter Permit Required Confined Spaces – Additional Training and Documentation Required

Job Hazard Analysis Worksheet

Standard Service Job Hazard Assessment

Job Description: Asbestos Inspection Services

2/2011

Task	Hazard(s)	Control Measure(s) Required
Ladder use	Fall hazard	<ul style="list-style-type: none"> - Inspect ladder for defects/damage before use, do not use if damaged. - Maintain 3 point contact at all times while using ladder. - Use fall protection if using > 6' ladder. - Ensure proper ladder footing (flat/level surface). - When using an extension ladder, use the 1:4 ratio to ensure ladder is properly sloped.
Scaffold use	Fall hazard	<ul style="list-style-type: none"> - You must have proper training and documentation to work on scaffolds. Ensure this is in place with your Project Manager. - Ensure scaffold is properly tagged/ok for use. - Ensure wheels locked/chocked if using a rolling scaffold (don't move scaffold while on it). - Ensure scaffold is level. - Wear fall protection when scaffold is > 4' (general industry)/ > 6' (construction) above the working surface. - Additional Training and Documentation is Required for work above 4'. Contact your PM if this is necessary.
Working in low headroom areas or areas with overhead work.	Bump hazard/falling objects.	<ul style="list-style-type: none"> - Wear hard hat. - Communicate job activities with crew working overhead.
Working in Remote Area	Lack of emergency assistance if necessary	<ul style="list-style-type: none"> - Ensure your cell phone or onsite communication system is working - Ensure PM knows your schedule and check in at the end of your shift.
Asbestos bulk sampling	Asbestos exposure	<ul style="list-style-type: none"> - PPE: ½ mask w/ P100 filters (minimum), gloves, safety glasses - Use wet methods, mist materials w/ squirt bottle to reduce dust generation. - Place sample directly into Whirl-Pak or core vial and properly seal.
Asbestos bulk sampling	Use of hand tools	<ul style="list-style-type: none"> - Ensure hand tools and knife blades are in good condition. Use gloves for protection when appropriate and safety glasses at all times.
Inspection	Confined Spaces	<ul style="list-style-type: none"> - Do Not Enter Permit Required Confined Spaces - Additional Training and Documentation Required

Job Hazard Analysis Worksheet

Standard Service Job Hazard Assessment

Job Description: Construction Safety Inspection Services

2/2011

Task	Hazard(s)	Control Measure(s) Required
Client safety requirements	Various	<ul style="list-style-type: none"> – Depending on the client's specific safety requirements while on-site, have available for use: Hard hat, safety shoes, safety glasses, hearing protection and high visibility vest.
Ladder use	Fall hazard	<ul style="list-style-type: none"> – Inspect ladder for defects/damage before use, do not use if damaged. – Maintain 3 point contact at all times while using ladder. – Use fall protection if using > 6' ladder. – Ensure proper ladder footing (flat/level surface). – When using an extension ladder, use the 1:4 ratio to ensure ladder is properly sloped.
Scaffold use	Fall hazard	<ul style="list-style-type: none"> – You must have proper training and documentation to work on scaffolds. Ensure this is in place with your Project Manager. – Ensure scaffold is properly tagged/ok for use. – Ensure wheels locked/chocked if using a rolling scaffold (don't move scaffold while on it). – Ensure scaffold is level. – Wear fall protection when scaffold is > 4' (general industry)/ > 6' (construction) above the working surface. – Additional Training and Documentation is Required for work above 4'. Contact your PM if this is necessary.
Site Inspection	Noise	<ul style="list-style-type: none"> – When inspecting areas with noise levels above 85 dBA, wear hearing protection.
Site Inspection	Physical	<ul style="list-style-type: none"> – Be aware of your surroundings, stay on marked walk-ways and stay a safe distance from machinery/powered industrial vehicles.
Site Inspection in low headroom areas or areas with overhead work.	Bump hazard/falling objects.	<ul style="list-style-type: none"> – Wear hard hat. – Communicate job activities with crew working overhead.
Site Inspection	Confined Spaces/Trenches	<ul style="list-style-type: none"> – Do Not Enter Permit Required Confined Spaces or trenches – Additional Training and Documentation Required

Job Hazard Analysis Worksheet

Standard Service Job Hazard Assessment

Job Description: Industrial Hygiene Sampling and Indoor Air Quality Services
2/2011

Task	Hazard(s)	Control Measure(s) Required
Client safety requirements	Various	<ul style="list-style-type: none"> Depending on the client's specific safety requirements while on-site, have available for use: Hard hat, safety shoes, safety glasses, hearing protection and high visibility vest.
Air-sampling	Airborne contaminants	<ul style="list-style-type: none"> Review MSDS, the process and client representative to identify hazards present in the work area. Chose appropriate respirator/filter cartridge (SCBA, ½ mask APR, full-face APR, etc...)
Air-sampling	Noise	<ul style="list-style-type: none"> When air-sampling in areas with noise levels above 85 dBA, wear hearing protection.
Air-sampling	Physical	<ul style="list-style-type: none"> Be aware of your surroundings, stay on marked walk-ways and stay a safe distance from machinery/powered industrial vehicles.
Air-sampling with direct read instruments, air-sampling pumps or other electronic devices.	Explosion, electrical hazard	<ul style="list-style-type: none"> Ensure all electronics devices are suitable for use in the sampling environment (e.g. intrinsically safe instruments used in explosive atmospheres, battery powered devices are used in damp/wet areas, use GFCI for all corded devices, etc...)
Working in low headroom areas or areas with overhead work.	Bump hazard/falling objects.	<ul style="list-style-type: none"> Wear hard hat. Communicate job activities with crew working overhead.
Ladder use	Fall hazard	<ul style="list-style-type: none"> Inspect ladder for defects/damage before use, do not use if damaged. Maintain 3 point contact at all times while using ladder. Use fall protection if using > 6' ladder. Ensure proper ladder footing (flat/level surface). When using an extension ladder, use the 1:4 ratio to ensure ladder is properly sloped.
Working in Remote Area	Lack of emergency assistance if necessary	<ul style="list-style-type: none"> Ensure your cell phone or onsite communication system is working Ensure PM knows your schedule and check in at the end of your shift.
Inspection	Confined Spaces	<ul style="list-style-type: none"> Do Not Enter Permit Required Confined Spaces Additional Training and Documentation Required
Roof Inspection	Fall hazard	<ul style="list-style-type: none"> Do Not conduct roof work within 6' of an unprotected roof edge.

Job Hazard Analysis Worksheet

Standard Service Job Hazard Assessment

Job Description: Mold Abatement Project Management Services
2/2011

Task	Hazard(s)	Control Measure(s) Required
Ladder use	Fall hazard	<ul style="list-style-type: none"> – Inspect ladder for defects/damage before use, do not use if damaged. – Maintain 3 point contact at all times while using ladder. – Use fall protection if using > 6' ladder. – Ensure proper ladder footing (flat/level surface). – When using an extension ladder, use the 1:4 ratio to ensure ladder is properly sloped.
Scaffold use	Fall hazard	<ul style="list-style-type: none"> – You must have proper training and documentation to work on scaffolds. Ensure this is in place with your Project Manager. – Ensure scaffold is properly tagged/ok for use. – Ensure wheels locked/chocked if using a rolling scaffold (don't move scaffold while on it). – Ensure scaffold is level. – Wear fall protection when scaffold is > 4' (general industry)/ > 6' (construction) above the working surface. – Additional Training and Documentation is Required for work above 6'. Contact your PM if this is necessary.
Air-sampling/Project Management	Electrical	<ul style="list-style-type: none"> – Ensure all electronics devices are suitable for use in the sampling environment (e.g. battery powered devices are used in damp/wet areas, use GFCI for all corded devices, etc...)
Air-sampling/Project Management	Noise	<ul style="list-style-type: none"> – When air-sampling/inspecting work activities in areas with noise levels above 85 dBA, wear hearing protection.
Air-sampling/Project Management	Physical	<ul style="list-style-type: none"> – Be aware of your surroundings, stay a safe distance from machinery/powered industrial vehicles, and use proper lifting when transporting air-sampling equipment.
Air-sampling/Project Management (inside of containment)	Thermal	<ul style="list-style-type: none"> – Ensure all employees stay hydrated and take adequate breaks in high heat/humidity environments.
Air-sampling/Project Management (inside of containment)	Mold spore exposure	<ul style="list-style-type: none"> – PPE: N95 (minimum), tyvek suit, safety glasses. – Ensure contractor is utilizing proper removal/bagging techniques to reduce dust generation/spore release. – Properly decontaminate when exiting containment.
Air-sampling/Project Management (inside of containment)	Sparks, flying debris, etc.	<ul style="list-style-type: none"> – Wear eye protection when entering the containment to protect eyes from flying debris generated during abatement activities.
Working in low headroom areas or areas with overhead work.	Bump hazard/falling objects.	<ul style="list-style-type: none"> – Wear hard hat. – Communicate job activities with crew working overhead.
Project Management	Confined Spaces	<ul style="list-style-type: none"> – Do Not Enter Permit Required Confined Spaces – Additional Training and Documentation Required



Risk Assessment Policy Safety Quiz

1. Hygieneering has JHAs completed which outline typical safety hazards and associated PPE to address hazards for standard work we perform.

True

False

2. If you identify a safety or health issue on a project you are working on and it has not been addressed by your project manager, you need to stop work and work with your project manager to complete the JHA process?

True

False

3. Which one of these project would likely require a job specific JHA?

a. Working as a PM on a school abatement project.

b. Conducting an asbestos inspection in an occupied office building.

c. Conducting IH monitoring at an industrial facility.

d. Managing a beryllium clean job.

SCORE: PASS / FAIL

Employee Signature

Supervisor Signature

Date