



Keep Beryllium Worker Prepared

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- Keeping beryllium workers prepared is how the other elements are accomplished. If managers have prepared themselves and their organizations to manage beryllium operations and tasks, and workers know and have the skills to work properly, maintain equipment, recognize breakdowns or upset conditions, and take preventive actions, and are motivated to do so consistently, experience has shown that leading measures can be consistently achieved, beryllium exposure can be controlled to desired levels, and CBD can be prevented.

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- Procedures are in place and observed to ensure that employees are trained and equipped to meet the criteria described above, and to comply with other safety standards, from the first day of work for any job or task assigned.
- Employees are provided with training on the Beryllium Worker Protection Model as New Hires, within their assigned work areas and at least annually.
- Contractors and visitors to our site also undergo Beryllium Worker Protection Model training prior to entering the site.



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Here is what you should know:

- The potential health effects of exposure to beryllium.
- The type of activities that can result in exposure to beryllium particles above the recommended exposure guideline.
- Workers can develop chronic beryllium disease (CBD) following as little as a few weeks to years of exposure so it is essential that adequate protection be provided from the first day of potential exposure.

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Here is what you should know:

- Workers not directly involved with the processing of beryllium and beryllium-containing materials such as managers, secretaries, janitors, maintenance workers, laboratory workers, and industrial hygienists, can potentially develop CBD either as a result of exposures while in beryllium work areas or from exposures resulting from the spread of beryllium-containing particles to other areas of a plant site.
- Family members of beryllium workers and persons living near facilities processing beryllium and beryllium-containing materials can potentially develop CBD as a result of beryllium-containing particles brought home on clothing or released into the air around plants.

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Here is what you should know:

- Experience has shown that worker protection is best provided by a comprehensive industrial hygiene program such as the Worker Protection Model, applied as needed to specific operations and tasks.
- The Worker Protection Model will only be applied successfully when managers and workers are prepared with knowledge, skills and motivation before they engage in processing beryllium and beryllium-containing materials

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Here is what you should do:

- Obtain, read and understand the Material Safety Data Sheets before processing beryllium-containing materials at your facility.
- Ensure that each employee has access to Material Safety Data Sheets.
- Prior to working with beryllium-containing materials, and as needed, provide the employee with training on and ensure that each employee understands:
 - The potential health effects of exposure to beryllium and the type of activities that can result in exposure to beryllium-containing particles above the recommended exposure guideline.
 - The elements of the Beryllium Worker Protection Model and the actions to take to control exposure.

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Here is what you should do:

- Prior to working with beryllium-containing materials, and as needed, provide the employee with training on and ensure that each employee understands:
 - The personal protective equipment requirements, and proper use and limitations of the personal protective equipment provided.
 - The written procedures and work instructions developed to process beryllium-containing materials and to prevent the inhalation of beryllium-containing particles.
 - The engineering and work practice controls, and how to use these controls to minimize exposure.

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Here is what you should do:

- Prior to working with beryllium-containing materials, and as needed, provide the employee with training on and ensure that each employee understands:
 - Where beryllium work areas are demarcated and that access is limited to persons authorized and required by work duties to be present in the beryllium work area.
 - How to correct or report conditions or practices that are not normal and could result in uncontrolled exposure to beryllium-containing particles.
 - The leading and lagging measures and audit procedures used to assure the safety procedures are in place and functioning as intended.
 - The purpose and elements of the exposure assessment process and medical surveillance program.