

A photograph of an industrial facility, likely a chemical plant, featuring large, dark, curved pipes and a sign that reads "CLEAN AIR". The scene is dimly lit, with some lights visible in the background. The overall atmosphere is industrial and somewhat somber.

Chemical Air Monitoring.

Clean Up
Your Act.

Adverse Effects

High chemical levels can sometimes be identified by an accompanying mist, vapor, or unpleasant odors. However, many times chemicals can be transparent and odorless. When exposed to chemicals, employees may complain of headaches, shortness of breath, and fatigue. On the other hand, employees may not complain of any symptoms at all. Exposure can result in three categories of health problems.

- Employee discomfort
- Acute health effects
- Chronic health effects

In all three cases, employees will, at the very least, lose their sense of well being and have their work performance suffer. Employees can also suffer more severe health effects, resulting in lost time, hospitalization, and even death.

The Federal Occupation Safety and Health Administration (OSHA) mandates that employers maintain a workplace that is free of harmful airborne chemicals. Failure to abide by this mandate can result in severe OSHA-inflicted penalties, rising workers' compensation premiums, and increased susceptibility to lawsuits.

Few firms can afford to take the risks associated with not abiding by OSHA's regulations.



Can yours?

The BDN Solution

Test, Evaluate, and Provide Recommendations

TEST AND EVALUATE

A thorough assessment.

BDN conducts air monitoring using approved air sampling methods and laboratories accredited by the American Industrial Hygiene Association (AIHA). BDN identifies if employees are exposed to chemical contaminants in excess of established permissible exposure limits. Sample contaminants that BDN monitors include:

- Toxic gases
- Harmful dusts
- Fumes
- Mists
- Vapors



A typical BDN chemical air monitoring project includes the following 4 step process:

- Assessment of environment via an initial walk-through
- Full-shift air monitoring
- 15-minute short term exposure limit sampling
- Continuous air monitoring to determine daily and seasonal trends

PROVIDE RECOMMENDATIONS

What's best for you and your employees?

BDN documents the concentrations of all airborne contaminants and provides recommendations for chemical exposure reduction via engineering, administrative controls, and personal and protective equipment. Findings are then presented to management and employees. Recommendations include:

- Identification of alternatives to hazardous materials
- Improved engineering controls
- Recent changes to chemical manufacturing processes and chemical makeup that should be addressed
- Key chemical attributes that should be reviewed annually to ensure consistent exposure controls
- Employer best practices

EMPLOYER BENEFITS

It is a no brainer!

- Less susceptible to OSHA citations, facility shut downs, and lawsuits
- Safe, healthy, and productive employees
- Improved communication and trust between employees and employers
- Third party verification and documentation
- Increased control over worker's compensation premiums

Call 800.968.0123 today for more information. Or visit us online at www.bdnhc.com.

BDN Industrial Hygiene Consultants, Inc.





We're all about safe work environments.

Corporate Headquarters

8105 Valleywood Lane
Portage, MI 49024

Branch Office

1788 Oak Street
Wyandotte, MI 48192

Tel: 800.968.0123

Fax: 269.329.7446

Email: bbassett@bdnihc.com

Web: www.bdnihc.com

Asbestos, Lead,
Training, Health & Safety,
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**Serving the manufacturing,
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