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Case Study
**DEKRA Industrial
Hygiene Consulting**

Backed by science. Tailored for
today's complex workplaces.



Creating a safe and productive environment where people and performance can thrive



As industries advance and **technology evolves**, workplaces grow more complex.

Keeping people, communities, and properties safe becomes more challenging. DEKRA North America's (DEKRA NA's) industrial hygiene consultants help you ensure that your facilities provide a safe and productive environment where people and performance can thrive.

DEKRA's industrial hygienists work throughout North America, guided by the science and research behind workplace hygiene and by the understanding that every company and every location is different and deserves a solution tailored to its real-world situation. This

commitment to being mindful and to providing sound advice based on actual, rather than theoretical, conditions is the key to success in industrial hygiene and overall workplace health and safety.

With impartiality and expertise, our industrial hygiene consultants evaluate work environments with keen a focus on all relevant factors that affect human health. We work closely with organizations to understand their challenges, to create customized solutions, and to foster an ongoing commitment to employee well-being.



We support your efforts to ensure employee health and well-being in of the following areas:

- Comprehensive health hazards exposure assessments
- Indoor environmental/air quality assessments
- Sound-level survey and occupational noise exposure assessments
- Ventilation and engineering control design and assessments
- Mold, Legionella bacteria, biological sampling, and remediation plan development
- Radioactive material/X-ray consulting
- Regulatory compliance gap assessments
- Health and safety program development and standardization
- Industrial hygiene data management and software solutions
- Industrial hygiene training

A Sampling of Experience

Formaldehyde Assessment and Mapping of Site Sound Level

A large biotechnology firm in Southern California retained DEKRA NA to complete a sitewide formaldehyde exposure assessment and sound-level mapping project. The formaldehyde assessment required that DEKRA NA identify all tasks and areas where formaldehyde was in use and complete a risk assessment to determine if quantitative exposure sampling was required. Where it was required, a personal exposure sample was taken for the employee performing the task. We reviewed approximately 60 tasks and collected 25 samples. A report was delivered summarizing the risk assessment and sampling results along with recommendations to improve controls and reduce formaldehyde exposure throughout the facility.



We completed a similar site assessment to identify areas, equipment, and processes that produce elevated sound levels. Once these were identified, we conducted a sound-level survey for each and created a noise map, totaling 70 surveys. We provided a summary report containing the results of the sound-level surveys and noise maps, as well as recommendations to reduce sound levels produced by specific equipment and processes.

Embedded Industrial Hygiene Support

After the success of our previous formaldehyde assessment and noise-mapping project, the same California biotechnology company requested long-term industrial hygiene support for its facility during a hiring freeze caused by the COVID-19 pandemic. As a result, a DEKRA industrial hygiene consultant became embedded within the company's Environmental, Health, and Safety department.

The consultant was responsible for managing day-to-day site industrial hygiene for various programs, including exposure assessment, ergonomics, radioactive material, hearing

conservation, change management, and indoor air quality. Although the original project was slated for six months, the company requested an extension of 18 months.

Sitewide Qualitative Exposure Assessment

DEKRA NA was retained by a large manufacturer of airplane seats in northern Texas to complete a sitewide qualitative exposure assessment. The objective of the assessment was to establish similar exposure groups (SEGs) for each job at the site and then complete a qualitative exposure assessment for all identified health hazards the SEGs were exposed to during their work. The results of the qualitative exposure assessment were then used to develop a quantitative sampling plan for the site. Approximately 30 different positions and 400 tasks were assessed during the project. The results were summarized in a report containing recommendations and a proposed sampling plan. A separate qualitative exposure assessment workbook provided the results of each assessment.

Known for an unwavering commitment to safety, innovative and effective approaches, and a long history of results, DEKRA is a recognized thought leader and trusted partner in helping companies worldwide achieve safety excellence.



Connect with us:

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