KOGI Environmental Solutions

Effective Dust Control for Concrete Manufacturing:

A Nevada Case Study

Explore our industrial air quality services in USA

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The Challenge

A concrete products manufacturing facility in Nevada was experiencing serious dust emissions during its production process.

The fine airborne particles generated during the handling and shaping of concrete impacted air quality in the production facility and reduced visibility.

Additionally, the abrasive materials used in the production process required a solution that could withstand high levels of wear and tear.

The customer needed a dust control system that was both effective and durable, capable of meeting internal safety standards and external environmental regulations.

The Solution

Kogi Environmental Solutions conducted a thorough site evaluation to understand the specific dust-generating points and environmental conditions of the plant. Based on this assessment, the Kogi team designed and installed a custom solution consisting of two large-capacity industrial dust collectors integrated with a carefully engineered ductwork system. The system was tailored to capture airborne dust directly at its source, minimizing dispersion and ensuring efficient filtration throughout the facility.

The dust collectors were selected and built to handle the abrasive nature of the dust and the demanding conditions of concrete production.

High-efficiency filters and durable construction materials were used to guarantee long-term performance with minimal maintenance. The ductwork layout was optimized to support even airflow, reduce pressure loss, and maintain strong suction across all dust capture points.

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The Result

Following the installation, the facility experienced a dramatic improvement in air quality and workplace cleanliness. Employees now operate in a significantly safer and more comfortable environment. The success of the system also helped the company align more closely with environmental compliance standards and internal safety goals.

Impressed with the performance of the solution, the customer requested that Kogi design and implement similar dust control systems in their other production locations. The project stands as a strong example of Kogi's ability to deliver tailored, reliable air quality solutions in even the most challenging industrial settings.

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Looking for more details?
Let us guide you!

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