



Nitra-Seal Ensures Healthy Work Environment at New Electric Vehicle Plant

Major Automaker Trusts Land Science To Proactively Address Potential Vapor Intrusion Risk

Site Details

Location

Detroit, MI

Square Feet

520,000

Contaminants of Concern

Volatile Organic Compounds

Building Use

Industrial Automotive Facility

Project Summary

A leading automobile manufacturer built a new 520,000-square-foot electric vehicle facility on the site of one of its former plants in Detroit, Michigan. The former site had a long history of automotive manufacturing. Considering the site's history, and the potential for lingering solvent, fuel, or other subsurface chemical impacts, the auto company was proactive in applying a proven and effective contaminant vapor intrusion solution to ensure a healthy working environment for its employees. Ultimately, Nitra-Seal® Nitrile-Advanced Contaminant Vapor Barrier with TerraVent™ Low Profile Venting System, was selected by the construction project team, offering the best economic value for the level of VI protection provided. MTN, Inc., a Land Science Certified Applicator, completed the installation with high efficiency, working directly with the General Contractor and change to concrete subcontractor to meet the scheduled production rate of the Nitra-Seal system installation. Quality assurance and control testing were completed per manufacturer's specifications, verifying the integrity and proper installation of the contaminant vapor barrier system.

Results

Following the installation of Nitra-Seal and TerraVent, the new electric vehicle manufacturing facility exceeded the regulatory and safety requirements by proactively addressing the risk of vapor intrusion, ensuring safety for the future auto workers. The new technologically advanced facility creates hundreds of new jobs for Southeast Michigan residents.

