

9 YEAR CUSTOMER SPOTLIGHT: INDUSTRIAL FACILITY

*Multi-Year Managed Service Program
Delivers 100% Air Quality Compliance
at Complex Industrial Site*

90% Reduction in Silt Load After Year 1	95+% Reduction in Silt Load Maintained from Year 2 to Year 4	100% Compliance with Air Quality Permits
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CHALLENGES

- Maintain the facility’s compliance with strict US EPA emissions standards at a complex, highly active industrial site.
- Manage the continuously changing material conditions and operational patterns.
- Effectively reduce airborne dust and respirable particulate
- Develop and implement a multi-year dust control program capable of delivering sustainable results.

SOLUTION

- Developed and launched a multi-year managed service program based on strategic planning, lab testing and continuous assessment.
- Topically applied EnviroKleen® at strategic intervals to control the fugitive dust emissions.
- Conducted routine performance monitoring including Visible Emission Observations (VEO’s) and Silt Load testing.

RESULTS

- **Significant Immediate Dust Reduction Achieved:** Performance monitoring demonstrates an 81% decrease in VEO and a 90% reduction in silt load during the program’s first year.
- **Multi-Year Sustained Dust Reduction:** Ongoing monitoring indicated that a 95+% reduction in silt load was maintained in Years 2, 3, and 4.
- **Residual Benefits Increased Annually:** Pre-season dust emission levels dropped annually due to the accumulated ground inventory of EnviroKleen® from previous treatments.
- **100% Air Quality Permit Compliance:** The facility met all air quality compliance requirements during the four-year program.



PROJECT SUMMARY

Location: Midwest US

Industry: Industrial and Manufacturing

Customer: Industrial Facility

An industrial facility partnered with Midwest to implement a long term, Managed Service dust control program designed to meet strict U.S. EPA regulatory standards for fugitive dust emissions. To address regulatory compliance concerns and reduce respirable dust, Midwest established a multi year program using EnviroKleen®, an environmentally friendly synthetic organic fluid with a polymeric binder.

The program was built around a full turnkey program that involved continuous evaluation, and year over year performance optimization. Over four years, the facility achieved and maintained dramatic reductions in dust generation, opacity, and silt loading—while simultaneously lowering the total chemical volume required as residual benefits increased each season. This project confirmed the Midwest Managed Service Program’s ability to deliver substantial, measurable, and sustainable reductions in dust emissions resulting in long-term compliance, cost savings and environmental stewardship.

LOOKING FORWARD

This project demonstrated that a program-based strategy delivers substantial, measurable, and sustainable reductions in dust emissions – even within complex and dynamic industrial environments. Implementing a managed service program allowed the customer to focus on operations and productivity while Midwest handled all dust-related activities from product application, documentation, and reporting. Facilities facing strict regulatory pressures now have a validated pathway to long term compliance, cost savings, and environmental stewardship.