



Sycamore Creek Wastewater Treatment Facility

PROJECT PROFILE CONSTRUCTION

CLIENT
MSD of Greater Cincinnati

WASTEWATER TREATMENT PLANT UPGRADE

Cincinnati, OH

SITUATION:

Growth in the Eastern Cincinnati area, stringent tertiary treatment standards, high BOD loading and wide ranging flow conditions prompted this multi-faceted treatment plant upgrade to 50 MGD capacity.

SOLUTION:

- + Layne constructed the following significant process components:
- + Raw Sewage Pumping Station
- + New Preliminary Treatment and Grit Removal facility
- + Renovated Sludge Handling Facility
- + Enhanced Aeration Facility
- + Chemically Enhanced High Rate Treatment Structures
- + Biological Odor Control Facility
- + UV Disinfection & Effluent Pumping Facility
- + Replacement of Sludge Storage tank dome covers

Layne worked with the owner's operations staff and the engineer to construct the new facilities within and around the existing facilities. This was a very tight site for the plant size; extra emphasis was placed on sequencing. Temporary bypass pumping systems were required in five critical places at various phases of the project.

SERVICES EMPLOYED:

- + Wastewater Treatment Plant Construction
- + Pump Station Construction
- + Pipeline Construction

