# PROJECT PROFILE

## REDEVELOPMENT OF ABANDONED FORMER INDUSTRIAL SITE

D'Appolonia engineered the site redevelopment and provided environmental remediation planning for an approximately 24-acre portion of the site of a former integrated iron and steel making facility. The work was part of the first phase of a planned multi-phase, 106-acre redevelopment project.

*The Monessen Riverfront Industrial Park after the first phase of redevelopment.*

Engineering tasks included site civil design, preparation of demolition and construction drawings and specifications, and related permitting activities associated with conversion of the dilapidated site into an attractive and vital light-industrial facility.

Environmental services performed by D'Appolonia included an extensive records review of previous state environmental regulatory actions; sampling and analyses for soil and ground water contaminants associated with industrial processes, underground storage tanks, asbestos containing materials, PCB transformers, and lead paint; and preparation of plans and specifications and for remediation.

The site layout design included grading for roadways and parking, loading docks, and perimeter building areas consistent with stormwater runoff drainage requirements. An efficient and cost-effective stormwater management system was designed for conveying runoff directly to the Monongahela River and utilizing, to the extent possible, existing stormwater drainage structures. Additionally, the stormwater management system was designed to accommodate surface runoff from a recently constructed PADOT roadway located near the project site.

D'Appolonia developed a site grading plan with balanced excavation/fill in order to avoid costs associated with importing or disposing of soil. Preventing a need for offsite disposal of excavated soils also eliminated costs and delays associated with permitting related to off-site disposal.

An erosion and sedimentation control plan and sanitary sewer system were also designed and permitted by D'Appolonia. A cost-effective feature incorporated into the design of the sanitary sewer system involved utilizing an existing adjacent sanitary sewer system as a conveyance point for pumped sanitary waste.

D'Appolonia also managed the subcontracted design of electric, telephone and potable water utility systems for the site and provided direct assistance to the Westmoreland County Industrial Development Corporation with their application for state funding of the project. D'Appolonia is presently working on the second phase of this project.

*Left and Above: Portions of the 106-acre steel producing site prior to demolition and subsequent redevelopment.*