

PROJECT PROFILE

ENVIRONMENTAL REMEDIATION OF FORMER STEEL MANUFACTURING SITE

D'Appolonia provided environmental and civil engineering services to the Westmoreland County Industrial Development Corporation (WIDC) for the Monessen Riverfront Redevelopment Project. The project site was a former steel plant located along the Monongahela River southeast of Pittsburgh, PA. Following the 1984 bankruptcy of the steel producing firm that owned the facility, the city of Monessen was left with 135 acres of decaying mill structures and environmental contamination.

Following acquisition of much of the site by the WIDC, D'Appolonia was retained to conduct Phase I and II environmental assessments at the site. D'Appolonia specified and monitored environmental remediation using risk-based cleanup standards and helped obtain agreements for environmental liability release and industrial reuse of the site through documentation of environmental conditions and remediation. D'Appolonia also engineered the rehabilitation of site utilities and other site infrastructure.

The site qualified as a Special Industrial Site under Pennsylvania's Act 2 of 1995. D'Appolonia, working closely



Monessen Riverfront Redevelopment Project after completion of initial phase.

with WIDC and Pennsylvania Department of Environmental Protection (PADEP) personnel, engineered on-site contaminant containment systems as an alternative to costly removal and off-site disposal of contaminated material. Contained wastes and bulk materials were removed from the site.

Environmental issues at the site addressed by D'Appolonia included:

- Removal of thousands of tons of friable and non-friable asbestos-containing insulation, roofing, and siding;
- Containment, cleanup, and disposal of PCB oils and electrical equipment;
- Disposition of listed and characteristic hazardous wastes;
- Disposition of residual wastes and bulk materials;
- Widespread soil contamination with lead, arsenic, and cadmium;
- Coal tar, coke oven gas residues, and other materials related to coke production; and
- Health and safety concerns related to site remediation and subsequent future use.



Asbestos-containing and deteriorated building materials were removed from warehouse structures, which were subsequently rehabilitated as part of redevelopment.

As a result of several years of effort, the environmental issues on the initial 24-acre parcel of the site have been resolved, and warehouse structures on this parcel have been rehabilitated for future productive use.