

## ASBESTOS / LEAD / MOLD

### Representative Project Experience

#### JISCO

The former Jackson Iron and Steel Company, located in Jackson County, Ohio, is a Brownfield site, which was used from the late 1800's to 1968 to manufacture iron and steel. Jackson County had many suitors for the site but the environmental conditions had made it impossible for anyone to risk investment. In 2003, KERAMIDA personnel assisted the County with a \$270,000 Clean Ohio Assistance Fund Grant for Phase II Environmental Site Assessment dollars. KERAMIDA personnel were contracted to perform a comprehensive Phase I & II Environmental Site Assessment in accordance with ASTM 1527-00 Standards and the Ohio Voluntary Action Program Standards.

Findings of the Due Diligence assessments led to the delineation of soil, groundwater, and sediment contamination at the property. Suspect asbestos containing materials were also assessed and quantified. KERAMIDA completed the delineation in a step-wise fashion that allowed precise targeting of those on-site areas requiring further investigation to meet VAP requirements for characterization of contaminant plumes. The data gathered during the delineation indicated the chemicals of concern in on-site soil were metals, chlorinated organic compounds and petroleum compounds. The data further revealed the likely source area for the contamination (i.e. those on-site areas with contamination above the VAP Non-Residential Cleanup Goals). KERAMIDA also evaluated the hydraulic properties of the shallow water-bearing unit at the property and conducted a preliminary evaluation of potential human health risks associated with the contamination. The data resulting from the delineation assessment were used to develop remedial alternatives for the property.

The cleanup of the site is currently in progress. Approximately 8,000 tons of asbestos contaminated materials have been excavated and properly disposed of from the site. In excess of 40 concrete and brick structures have been razed and steel is being recycled from the facility. Planned remedial activities involve the removal of buried tar-like materials and associated impacted soils.

#### Simon Property Group

KERAMIDA serves as the environmental consultant for Simon Property Group for their facilities located throughout the US, which includes over 400 locations at both their malls and life style centers. As with all clients that are retail based, providing seamless and quick service is mandatory. Services provided include: asbestos inspections and abatement, due diligence, site investigations, remediation, and indoor air quality evaluations. Their environmental needs are market driven and therefore require timely responses and addressing their needs immediately. New tenants, renovations or the result of damage can drive their projects. KERAMIDA rapidly responds to their needs and works closely with the client to minimize potential delays that could be caused by environmental concerns.

#### Dadeland Mall and The Shops at Sunset Place

On August 25, 2005 Hurricane Katrina cut a path across parts of the US that are still recovering. One of our clients retained our services to minimize their long-term effects from the hurricane; two of their malls received water damage from the storm resulting in their closure. Within four days of the hurricane, KERAMIDA had mobilized and performed inspections of each facility. The inspections included a general assessment of water impacts, water extraction and drying activities, measurement of moisture levels in porous building materials and an inspection for visible mold.

As a result of the inspections we completed a checklist of the work that need to be completed to make the facilities operational and lessen future impacts caused by environmental conditions. KERAMIDA completed the inspection and worked closely with the client, mall managers and tenants to get the facilities re-opened in a short duration. The devastation caused by this force of nature is still being felt. KERAMIDA is proud of our ability to respond quickly and in a small way contribute to the recovery of the Miami area. Assisting in the re-opening of businesses helped the whole area.

### **Regional Airport**

KERAMIDA developed specifications to conduct asbestos abatement to prepare the airport building for demolition. Compliance with several federal and state regulatory programs was required, including United States Environmental Protection Agency (USEPA), Indiana Department of Environmental Management (IDEM), National Emissions Standard for Hazardous Air Pollutants (NESHAPS), Occupational Health and Safety Administration (OSHA), and Department of Transportation (DOT).

### **School Corporation**

KERAMIDA conducted inspections, designed asbestos removal projects, and conducted air sampling for several projects as required by state and federal regulations for this school corporation. The types of work implemented include Asbestos Hazard Emergency Response Act (AHERA) reinspections, and the development of specifications and conducting air sampling as required for renovation projects. Compliance with all federal regulatory programs including AHERA, USEPA, NESHAPS, OSHA, and DOT, as well as the state environmental agency IDEM was required.