



Case Studies - Environmental

We create healthy and safe living spaces through innovative environmental, foundation and waterproofing solutions.



Bank of America
Baldwin, Missouri

Environmental Consultant:
Family Environmental

Problem:

Bank of America had a serious water and mold problem in their Baldwin, Missouri branch office. A planter area inside the bank had leaked water and produced high levels of humidity and condensation. As a result, the air quality in the bank was compromised and several wall areas would need to be removed.

Solution:

KC Environmental Solutions was contracted to remediate the mold and water issues and make all repairs to the area. The project was particularly challenging because the bank needed to operate without any disruption of service or inconvenience to their customers.

Because of the trust Bank of America had in our staff and reputation, KC Environmental was able

to work overnight while the bank was closed. First, we removed and disposed of all affected surfaces. Then we used a high efficiency HEPA vac to safely remove mold spores from hard surfaces and surrounding air. Finally, we replaced the sheetrock and returned the lobby to a fully usable and safe environment.

Our mold remediation and water control process met all EPA and IIRAC guidelines. The environment fully passed all subsequent air quality monitoring. In addition, the client was relieved to have the problem resolved without disruption of business.



Dr. Ben Kozowski – Private Residence

Kansas City, Missouri

Problem:

Unknown to our customer, the foundation of his high-end home had been leaking for years. These hidden leaks created an extreme air quality problem. Through scientific air samples we determined the mold was severe with an extremely high mold spore count. The project needed immediate remediation, repair of the structure and safe build-back.

Solution:

KC Environmental Solutions removed all the effected sheet rock and disposed of it following stringent EPA guidelines. We repaired the damage to the foundation using a water control system to prevent future water issues. We created a containment area with negative pressure and used a high-efficiency HEPA vac to clean the area. When the area was completely cleaned we applied Serum 1000 to kill any remaining mold spores and Serum 2000 to prevent future growth. As the general contractor on the project we oversaw construction of the sheetrock, cabinets and cleaning/installation of the carpet. Despite the extremely high original mold count, our final test passed with flying colors. The homeowner was able to move back in to a clean and healthy environment.



**EATON Investments
Riverside, Missouri**

Environmental Consultant: APEX

Problem:

A lightning strike started a chain of disasters for Eaton Investments. The lightning caused a devastating fire to the building. The water used to control the fire caused additional damage. Then during an inspection it was discovered that the water spread asbestos from the ceiling tiles throughout the structure. Immediate remediation was needed to allow the reconstruction to continue and get Eaton Investments back in the building as soon as possible.

Solution:

KC Environmental Solutions was contacted immediately to remediate the asbestos. Because of the urgency of the project, we were able to obtain an emergency permit waiver from DNR. We started the project the day after we were contacted. Within one week we had gutted the building, disposed of all Asbestos Containing Material according to EPA and OSHA guidelines and passed all air quality tests. The client was able to stay virtually on-schedule with their re-build and return to business as usual.



Truman State University

Environmental Consultant:

Kingston Environmental

Problem:

Kingston Environmental created a scope of work to remediate asbestos in mastic and pipe insulation uncovered during construction. We were awarded the contract through a bid process. Timing was crucial to keep the project on-schedule.

Solution:

When we received the Notice to Proceed we



mobilized and started working in May. For a two month period we methodically removed an abundance of ACM from Blanton, Nason and Brewer Hall. After we completed our portion of the project, we were called back by the General Contractor, River City Construction, to remediate additional ACM found in pipe insulation at the Greek Annex. The

remediation process went smoothly and we have built an on-going relationship with River City Construction, Kingston Environmental and Mark Schultz at the University.



Glennon Place

Kansas City, Missouri

Environmental Consultant: Family Environmental

Problem:

We were contacted on an emergency basis to remove asbestos in a nursing home. The home was in jeopardy of being shut down by the Health Department after internal contractors attempted to remove asbestos material from floor tile and mastic. We were on-site within three days.

Solution:

KC Environmental Solutions mobilized in 24-hours. We secured an emergency waiver from the City of Kansas City and started the project immediately. We started with full remediation in two rooms in the facility. In addition, had to safely transfer debris from a standard 40-yard dumpster contaminated with ACM used by the previous contractor to a containment dumpster. The entire project was completed in three days and we gained full clearance for air quality. Residents of the nursing home were not disturbed and the environment was returned to safe and healthy air quality.



Woodland Elementary School
Kansas City, Missouri

Referred by: Kansas City School Board

Problem:

We were notified at 1:00 on a Friday afternoon in August that a school had a severe asbestos situation. A water line had broken in a boiler room. The boilers were covered in asbestos and the maintenance workers had started pumping the flowing water into the sewage system. In addition, school was about to start and the problem had to be remediated before children could enter the school.

Solution:

We mobilized immediately and were ready to go. As soon as the School Board approved the project at an emergency meeting, we were on site. First, we set up critical barriers including negative pressure. We removed three large boilers, which required cutting the Asbestos Containing Material and fire brick into pieces for removal from the building into a safe containment dumpster. In addition, we removed gym floor tile containing asbestos. We worked double shifts to complete the project by the start of school.

We were called back to remove air handles that were installed 15 feet off the floor. These also had to be cut into pieces and removed to containment areas. In addition, this had to be done during school hours with no possible threat to the children. We mobilized in two days for this portion and completed by project on-time.



Mid-Buchanan Public Schools

Environmental Consultant:
Cromwell Environmental

Problem:

A severe mold problem was discovered in the library and music room of Mid Buchanan School. Another company had been contracted to clean up the problem, but the school board was panicking about the results to date.

Solution:

KC Environmental Solutions was contacted on a Wednesday. After an emergency school board meeting, we mobilized and were on site by Friday. The music room was cleaned and then used as a clean room for the library project. We sealed the library so the rest of the school would not be affected. According to the previous contractor, more than 9,000 books would have to be destroyed. We were able to safely salvage more than 6,500 of the books. We bagged all

the books, and then removed them to the clean room. Creating negative pressure in the library we methodically cleaned all areas and used Serum 1000 and Serum 2000. The school provided us keys to the building and access to the security system so most of our work could be done at night. By working at night and using air scrubbers in the hallways, we ensured students would not be subjected to any risk or odors. As a result we never experienced any complaints of odor or inconvenience from the students or staff. The project took seven days. At the conclusion our air quality testing passed and the environmental engineer was amazed we were able to obtain such high air quality after pre-project readings had been so dangerous. The school had been returned to a safe and healthy environment and we were able to save musical instruments and more than 6,500 books.