



# NATIONAL DRY OUT

MOLD ■ WATER ■ ASBESTOS

## PAST PERFORMANCE

**Alabama Department of Transportation**  
**Mold Remediation and Document Recovery**  
**October 2012 and February 2013**



### **Structural Drying**

National Dry Out assessed structural and content recovery needs for the Alabama Department of Transportation in Birmingham, Alabama. Kevin Ricke met with Bobby Davidson, Lance Taylor and Brian Davis to form a plan to remediate the building and restore the documents so they could be scanned and digitized. Past water leaks throughout the entire basement had caused extensive water damage and mold growth to both the building and the documents store there. Initially the Restoration Technician started by setting up containment, air scrubbers and double bagging maps, documents, file cabinets and remaining contents.

Once the areas were completely empty of all contents the drying and clean up began. This process included applying a hydrogen peroxide based mold remover that breaks down the mold spores at the cell level. This product was dried along with the structure using a heat system and dehumidifies. No air movers were used due to the mold growth. After 3 days all areas were dried down to meet and exceed the standards set by the EPA and IICRC. This was followed by a complete HEPA vacuuming and wet wipe down of the entire structure.



Post testing was performed in all areas to ensure the building was safe for all visitors and employees.



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## **The Document Restoration Process**

As the pictures indicate, this effort required the drying and restoration of water-damaged documents, as well as digitizing them to generate an electronic document that could be stored in a manner impervious to such damage in future. National Dry Out restored and digitized 1,230,215 maps and over 5,530,000 documents. This project lasted roughly 22 months. Once all documents were reviewed for quality by the Department of Transportation we were instructed to destroy all the documents.



## **University of West Alabama Mold Remediation January 2012**

The University of West Alabama contracted with National Dry Out for moisture and mold removal of a building built in 1900. Our Project Manager arrived on site to inspect the building's structural materials. The entire building had been affected by water intrusion and mold throughout due to having been empty for several years. Kevin Ricke met with Steve Levinson who is the construction project superintendent for the University of West Alabama. The university wanted to know the best way to restore the building to the original wood interior. National Dry Out explored 3 methods to restore which included, soda blasting, dry ice blasting and high pressure water blasting. The soda and dry ice blasting were found to be too aggressive on the wood. The best results came from the high pressure water blasting. The only drawback to this process was adding additional water to the wood. Since the wood was already wet and had to be dried we felt this would not be an issue.





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Before



After

The University agreed and the process began. As each room was completely pressure washed a heat drying system was setup and monitored to ensure the drying process meet the standards set by the IICRC. As each room was cleaned and dried we checked the make sure the areas were we used moisture meters and thermal imagining. The complete project took 21 days to complete. Post testing was completed in each area to ensure the building meets and or exceeds the standards set by the EPA and IICRC.

### Staples – Washington D.C.

#### Water Damage

3/16/2012

The Staples store in Washington had a 6 inch water main break that flooded the entire center. National Dry was hired to start extraction and mitigate the loss until the pipe could be repaired and then drying of the Staples store could begin. We had crews on site within two hours of being notified and our crews spent the entire first night extracting water as it continued to flow into the store from the burst water main to prevent further damage from the rising water. Our crews also got as much inventory and furniture off of the floor in a attempt to save as much as possible.



Once the pipe was repaired we completed the extraction and proceeded to set drying equipment. We then monitored all walls, carpeting, and vinyl plank flooring daily to see what could be saved and to ensure we were making good progress. We relocated equipment daily to ensure efficient use of air movers and dehumidifiers in an attempt to save as much as possible. It is always National Dry Out's goal to return our clients back to operating condition as quickly as possible. After drying was complete we sanitized all flooring and cleaned the shelves and any salvageable items that could be saved for retail based on the managers decision.

### U.S. Wildlife Management Mold and Asbestos Testing

NATIONAL DRY OUT

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**09/26/2012**

After tornados and severe thunderstorms came through the area National Dry Out was contacted by the U.S. Fish & Wildlife Agency because they were experiencing bad odors and humid conditions in their building due to roof damages incurred from the storms. National Dry Out tested for mold and asbestos to ensure that the structure was clean and ready for reconstruction. We took air samples and swabs for mold testing and took material samples to send off for Asbestos Containing Materials. Once the results were returned from the laboratory we were able to determine that there was significant mold growth but not asbestos containing materials within the structure. We provided a remediation protocol and estimate for mold remediation services.



### **U.S. Wildlife Management Mold Remediation 09/26/2012**

Due to the excessive amount of damage to the building from both water and mold the U.S. Fish & Wildlife Agency decided to remediate and remodel the entire building. National Dry Out was contracted to do the dry out of the structure and the mold remediation. We started by containing the affected areas and setting HEPA air scrubbers to prevent cross contamination of the areas that were not impacted by mold. We then set the



necessary drying equipment and monitored each day until dry. Due to the mold we could not use air movers to speed drying because air movers will disturb and distribute mold spores to unaffected areas of the building. Once the structure was dry and all unsalvageable molded materials have been removed from the structure, we cleaned the salvageable materials and contents with a green anti-microbial product. Once we were finished we retested the environment to ensure it was clean before turning it back over for reconstruction and occupancy.

### **Gravois Clothing Store Tennessee Mold Remediation May 2012**

Gravois had been flooded during the major flood rains that impacted Tennessee in 2011. National Dry Out had to wait 4 days until the flood waters receded enough for us to gain access to the building. Once we were able to enter the building there was significant water damage and mold growth throughout the structure. We took immediate action to prevent further damage from mold. We proceeded to tear out

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