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TO: Employees in Williamson and Martin Halls

From: Mary Voves, Vice President for Business and Finance

Re: Testing Results for Williamson and Martin Halls

Date: June 6, 2018

Based on the concerns raised at our meeting on May 23, 2018, I wanted to provide you with an outline of the testing Environmental Health and Safety (EH&S) has performed in Williamson and Martin Halls, as well as copies of the tests results we have obtained to date from our outside consultants. We continue to encourage you to report any concerns you might have about the safety of your workspace to EH&S. As indicated during our meeting, we will continue to monitor both buildings and will be engaging in extensive cleaning throughout the summer.

Martin Hall

On March 7, 2018, Environmental Health and Safety received a service request for a fungal evaluation for select areas in Martin Hall. In response, EH&S conducted an initial visual assessment of MAR 114 Suite, 151G, 228, 237, 249 and nearby areas for signs of mold. The visual assessment revealed some water damaged ceiling tiles, window condensation and water stains. EH&S staff also inspected the back sides of ceiling tiles that showed evidence of water damage. No mold growth was observed during this inspection.

On this same date EWU HVAC was contacted to check the ventilation system. HVAC found that the ventilation system was operating normally and no water intrusion issues were identified.

On or about April 18, 2018, EH&S was notified that an individual working in Martin Hall reported the discovery of mold in an interior wall in front of Martin Hall, room 140. EH&S inspected the area and determined the mold developed due to poor janitorial equipment storage practices. The storage practices caused water to leak on the floor which then moved to the wall and wicked up the sheetrock. The presence of vinyl wallpaper acted as a vapor barrier holding in the moisture and masking the presence of mold. The area was abated by EWU Building Maintenance staff trained in abatement. All moldy materials were removed under containment with a negative air system set for air scrubbing. A visual assessment after abatement confirmed all mold contaminated materials were removed and the area was then reconstructed two days later.

On or about May 1, 2018, a water leak was discovered in a first floor bathroom ceiling of Martin Hall by EH&S staff. Observations above the ceiling revealed mold growth on the ceiling sheetrock. It appeared a drain line was damaged and had been leaking. The areas was abated by EWU Building Maintenance staff trained in abatement. All moldy materials were removed under containment with a negative air

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system set for air scrubbing. A visual assessment after abatement confirmed that all mold contaminated materials were removed. The area was subsequently reconstructed.

Following the discovery of mold in the hall and restroom of Martin hall, the Office of the Associate Vice President of Facilities and Planning requested an assessment of potential indoor air quality issues in Martin Hall.

In response, EH&S conducted several types of sampling:

1. Spore trap sampling for particles, fungal spores, pollen, and fibers, which was sent to EMLab P&K of Phoenix, Arizona for Analysis, was conducted as follows:
   - May 8 sampling was conducted in Martin Hall 114A, 151 G, 228, 237, 135 and 249
   - May 15 sampling was conducted in Martin Hall 114A, 249, and outside the building for comparison
   - May 21-22, 2018, sampling was conducted in Martin 158, 007, 253, 254 and outside building for comparison

2. Tape lift samples, which were sent to Microlabs Northwest of Redmond Washington for forensic analysis of settled particles, were conducted as follows:
   - May 8 sampling was conducted in rooms 114A, 151G, 228, 237, 135, and 249.
   - May 22 sampling was conducted in rooms 254, 254-8, and 158.
   - An additional tape lift sample of mold was collected behind the wall paper in front of room 140 on May 19, 2018. This sample was sent to EMLab P&K of Phoenix, Arizona for Analysis.

3. Carbon dioxide (CO2) sampling which is used to determine how much fresh air the ventilation system is supplying to the building was conducted as follows:
   - CO2 data loggers were set up in rooms 135, 151, and 225 from May 1, 2018 through May 8, 2018.

4. Volatile Organic Compounds (VOC) and mold derived Volatile Organic Compounds (MVOCs) samples were sent to Prism Analytical Technologies of Mt. Pleasant, Michigan for analysis were conducted as follows:
   - May 8, 2018 in rooms 114A, 135 237, 151G, 228, 249.
   - May 22, 23 and 24, 2018 in rooms 254, 158 and 253.

Williamson Hall

The Office of the Associate Vice President of Facilities requested an assessment in Williamson Hall in an effort to proactively evaluate concerns raised by employees who worked in the building.

1 Spore trap sampling for particles, fungal spores, pollen, and fibers, which was sent to EMLab P&K of Phoenix, Arizona for Analysis, was conducted as follows:
   - May 8 sampling was conducted in Williamson Hall areas 310, 311B and 314.
   - May 15 in Williamson Hall 232 and 249 and outside the building for comparison.

2 Tape lift samples, which were sent to Microlabs Northwest of Redmond Washington for forensic analysis of settled particles, were conducted as follows:

- May 3, 2018 sampling was conducted in rooms 310, 311B, and 314.
- May 15 and 16, 2018 sampling was conducted in rooms 232, 123 and 125.
- Additional tape lift samples of dust collected for mold analysis were collected on May 24, 2018 from room 311D above the ceiling and the third floor stair well ceiling area. These samples were sent to EMLab P&K of Phoenix, Arizona for Analysis.

3 Carbon dioxide (CO2) sampling which is used to determine how much fresh air the ventilation system is supplying to the building was conducted as follows:
- CO2 data loggers were set up in rooms 232, 314 and 311B from May 17, 2018 through May 25, 2018.

4 Volatile Organic Compounds (VOC) and mold derived Volatile Organic Compounds (MVOCs) sampling was conducted on May 15, 2018 in rooms 232, 310, 314 and 311B. The absorbent tube samples were sent to Prism Analytical Technologies of Mt. Pleasant, Michigan for analysis.

5 Formaldehyde sampling was conducted on May 15, 2018 in rooms 311B, 232, 310 and 314. The absorbent tube samples were sent to Prism Analytical Technologies of Mt. Pleasant, Michigan for analysis.

Testing Results

All of the results that the University has received to date from the three laboratories, EMLAB P& K, Microlabs Northwest, and Prism Analytical Technologies, have been posted to the EH&S website which can be accessed at http://sites.ewu.edu/ehs/occupational-health-safety/industrial-hygiene/mar-wlm-testing/.