

THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA

ENVIRONMENTAL HEALTH & SAFETY DEPARTMENT

TELEPHONE (754) 321-4200

FACSIMILE: (754) 321-4285

July 22, 2015 *Signature on File*

TO: Deborah Owens, Principal
Stranahan High

FROM: Robert Krickovich, Coordinator, LEA
Environmental Health & Safety Department

SUBJECT: Indoor Air Quality (IAQ) Assessment

<u>For Custodial Supervisor Use Only</u>	
<input type="checkbox"/>	Custodial Issues Addressed
<input type="checkbox"/>	Custodial Issues Not Addressed
<hr/>	
<hr/>	

On July 20, 2015, I conducted an assessment at Stranahan High School in buildings 1, 6, 9, 11, & 21. The rooms that were assessed were identified by Mr. McClure as the rooms that had problems with microbial growth in the past. Microbial growth was identified on a portion of the vinyl wall paper in building one FISH 108, on pipe insulation in building six, mechanical room FISH 234, on the wood doors in building six corridors 010 and 011, and on 15 cloth chairs in building twenty one, FISH 531. Below are the finding and recommendation for remediation, or corrective actions needed in each of the rooms assessed.

Outdoors Temperature 85.5° - Relative Humidity 67%.

Building One

FISH 108 - Microbial growth on vinyl wall paper at ceiling level, Temperature 78.5° - Relative Humidity 62%.

PPO to - Remove wall paper, repair, and paint walls as needed, Repair HVAC to reduce humidity levels in building.

FISH 104B - Microbial growth previously on vinyl wall paper was cleaned, none identified at time of assessment. Temperature 77.7° - Relative Humidity 62%.

PPO to - Remove wall paper, repair, and paint walls as needed, Repair HVAC to reduce humidity levels in building.

FISH 111 - Water damaged plaster on exterior wall, Temperature 79.7° - Relative Humidity 63%.

PPO to - Remove water damaged wall material, repair cause of water damage, repair, and paint walls as needed, Repair HVAC to reduce humidity levels in building.

FISH 101J - Two stained ceiling tiles in room, Temperature 78.0° - Relative Humidity 61%.

PPO to - Repair cause of water stained ceiling tiles and replace tile, Repair HVAC to reduce humidity levels in building.

FISH 101G - Previous microbial growth, none identified at time of assessment - Temperature 78.0° - Relative Humidity 60%.

PPO to - Repair HVAC to reduce humidity levels in building.

Stranahan High Building One (continued)

FISH 101H - Water damaged plaster on exterior wall, Temperature 79.7° - Relative Humidity 63%.

PPO to - Remove water damaged wall material, repair cause of water damage, repair, and paint walls as needed, Repair HVAC to reduce humidity levels in building.

FISH 142 - (Restroom) Water damaged plaster on ceiling, staining from previous microbial growth. No air conditioning in room, exhaust fan only.

PPO to - Remove water damaged ceiling material, repair cause of water damage, repair, and paint ceiling as needed, interlock exhaust fan with HVAC.

FISH 138 - (Restroom) Water damaged plaster on ceiling, staining from previous microbial growth. No air conditioning in room, exhaust fan only.

PPO to - Remove water damaged ceiling material, repair cause of water damage, repair, and paint ceiling as needed, interlock exhaust fan with HVAC.

FISH 141 - Rust stains and microbial growth on exterior of refrigerator, carpet rippled and stained. - Temperature 80.6° - Relative Humidity 61%.

Site based staff to - Clean or dispose of refrigerator.

PPO to - Replace carpet with vinyl tile, Repair HVAC to reduce humidity levels in building.

Corridor 003 - (outside Auditorium) - HVAC supply and return grills dirty - Temperature 75.0° - Relative Humidity 65%.

Site based staff to - Clean HVAC supply and return grills.

PPO to - Repair HVAC to reduce humidity levels in building.

Building Six

Corridors 010 & 011 - Musty Odor, spotty microbial growth on most wood doors in corridor, Temperature 77.7° - Relative Humidity 63%.

PPO to - Clean / Sand & repaint classroom doors in corridors, Repair HVAC to reduce humidity levels in building.

FISH 234 - (Mechanical Room) - Visible microbial growth on chilled water pipe.

PPO to - Remove and replace stained water pipe insulation, clean inside of HVAC unit.

Stranahan High Building Nine

FISH 308 - Previous microbial growth, none identified at time of assessment, HVAC turned off by school. - Temperature 81.0° - Relative Humidity 60%.

Building Eleven

FISH 322 - Musty odor in room, room used for storage of old vinyl wrestling mats (may be source of odor), Friedrich wall mounted HVAC unit. - Temperature 75.0° - Relative Humidity 41%.

Site based staff to - Clean vinyl mats, reduce clutter in room.

PPO to - Clean inside of HVAC unit.

Building Twenty One

FISH 531 - Musty odor in room, conference room 15 cloth chairs with microbial growth - Temperature 77.0° - Relative Humidity 54%.

Site based staff to - Dispose of cloth covered chairs, clean all surfaces in room.

Overall

Site based staff to - Clean all HVAC supply and return grills, clean dust from all surfaces, call in work orders to repair visibly water damaged / stained surfaces.

PPO to - Repair HVAC to reduce humidity levels in all buildings.

Portable 323C - Is unusable and should not be occupied.

PPO to - Evaluate portable for demolition or repair.

Should any questions arise, or if you have other concerns, please feel free to contact us at 754-321-4200.

cc: Shelley Meloni, Director, Pre-Construction
Mark Dorsett, Manager, Zone 1, Physical Plant Operations Division
Roy Norton, Manager, Custodial/Grounds, Physical Plant Operations Division
Aston Henry, Director, Risk Management
Broward Teachers Union
Federation of Public Employees

RK/jj