

**THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA**

**ENVIRONMENTAL HEALTH & SAFETY DEPARTMENT**

**TELEPHONE (754) 321-4200**

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April 20, 2017

Signature on File

TO: Todd LaPace, Principal  
**McArthur High School**

FROM: Alison Witoshynsky, Project Manager  
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/>	
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On April 19, 2017, I conducted an assessment at **McArthur High School**. Attached are findings and recommendations for further assessment, remediation, or corrective actions needed.

The IAQ assessment did identify one or more existing conditions impacting IAQ and has generated appropriate work orders to correct deficiencies in systems and maintenance that could contribute to decreased indoor air quality. At the time of the assessment, these concerns were not an immediate health or safety concern to building occupants. However, due to individual sensitivities and predisposing health factors, it is possible that some building occupants may elicit a health response to agents and / or conditions identified during the evaluation. Therefore, to further improve IAQ, prevent development of future IAQ-related problems, and to reduce the potential for IAQ-related complaints by building occupants, the IAQ Assessment Team recommends appropriate follow up of each item identified and listed in the attached evaluation.

*Please ensure that your Head Facilities Serviceperson receives a copy of this correspondence so that the recommendations requiring their attention can be addressed. In an attempt to separate IAQ issues from general maintenance items, the attached assessment may contain direction for site based staff to generate a work order through COMPASS. Within two weeks a representative from the Custodial/Grounds Department will conduct a follow-up visit to ensure that all site based custodial issues have been appropriately addressed.*

Should any questions arise, or if the current concerns continue after the attached recommendations have been addressed, please feel free to contact us at 754-321-4200.

AW:smn

Enc.

cc: Shelley Meloni, Director, Pre-Construction  
Mark Dorsett, Manager, Zone 1, Physical Plant Operations Division  
Broward Teachers Union  
Federation of Public Employees  
Gerald Devio, Supervisor II Custodial  
Benjamin Osborne, Supervisor II Custodial  
Mark Murray, Supervisor II Custodial  
Sam Bays, Director, Maintenance Operations  
Kurt Wirz, Area Manager Trades

# IAQ Assessment

McArthur High

Evaluation Date

Time of Day

Outdoor Conditions Temperature

Relative Humidity

Ambient CO2

Fish	Temperature	Range	Relative Humidity	Range	CO <sup>2</sup>	Range	# Occupants
<input type="text" value="705"/>	<input type="text" value="69.1"/>	<input type="text" value="72 - 78"/>	<input type="text" value="50.6"/>	<input type="text" value="30% - 60%"/>	<input type="text" value="465"/>	<input type="text" value="MAX 700 &gt; Ambient"/>	<input type="text" value="0"/>
Noticeable Odor		<input type="text" value="No"/>	Visible water damage / staining?		Visible microbial growth?		Amount of material affected
Ceiling	<input type="text" value="Metal"/>		<input type="text" value="No"/>		<input type="text" value="No"/>	<input type="text" value=""/>	
Walls	<input type="text" value="Plaster"/>		<input type="text" value="Yes"/>		<input type="text" value="No"/>	<input type="text" value="~ 2'x4' area 705/705A 1'x3'"/>	
Floor	<input type="text" value="VCT/coated concrete"/>		<input type="text" value="No"/>		<input type="text" value="No"/>	<input type="text" value=""/>	
Ceiling Clean		<input type="text" value="No"/>	HVAC Supply Grills Clean		<input type="text" value="Yes"/>	HVAC Return Grills Clean	
Walls Clean		<input type="text" value="No"/>	Inside of Supply Duct Clean		<input type="text" value="N/A"/>	Inside of Return Duct Clean	
Flooring Clean		<input type="text" value="No"/>	Ceiling at Supply Grills Clean		<input type="text" value="N/a"/>		
Room Surfaces Clean		<input type="text" value="Yes"/>					
Trash Removed		<input type="text" value="Yes"/>	Exhaust Fans Working		<input type="text" value="N/A"/>	Unapproved Chemicals / Cleaners in Room	
Signs of Pests		<input type="text" value="Yes"/>	Drain Traps Wet		<input type="text" value="N/A"/>	Air Fresheners in Room	
Room Cluttered		<input type="text" value="Yes"/>	Food if Stored in Room is in Sealed Containers		<input type="text" value="N/A"/>		
Mechanical Equipment Location			<input type="text" value="FISH 706"/>			Mechanical Room Clean	
Filters Installed Properly		<input type="text" value="Yes"/>	Filters Clean		<input type="text" value="No"/>	Inside of HVAC Unit Clean	
Condensate Pan Clean		<input type="text" value="Yes"/>	Cooling Coil Clean		<input type="text" value="Yes"/>		
Fresh Air Intake Location			<input type="text" value="Thru exterior wall"/>			Fresh Air Intake Free of Obstruction	
Pollutant Sources Near Air Intake			<input type="text" value="No"/>			<input type="text" value="Yes"/>	

**Observations**

**IAQ Protocol was not conducted prior to arrival.** Occupants report a potential roof issue and mold; student with allergic sensitivity. Room being changed from Wood Shop to computer and robotics lab. Partially scrapped fire proofing material (Non-Asbestos containing material) on metal deck and FISH 704. North wall under windows dirty and stained near three Fresh Air Intakes. FISH 705A damaged plaster under windows (~ 1' x 3') and 705 damaged plaster in SW corner near cleaning equipment (~2'x4'). No Building materials currently wet.

**Corrective Actions to be Completed by Site Based Staff**

Clean dust, debris, & stains from wall surfaces	▼
Thoroughly clean elevated surfaces	▼
Clean cobwebs from elevated corners	▼
Remove cardboard boxes	▼
Encourage occupant to reduce clutter	▼
Floor needs sweep/vacuum in tight spots	▼
Vacuum/wexcide return grill	▼
Sweep floor in the mechanical room	▼

**Corrective Actions to be Completed by PPO**

Set Temperature to 72 - 78 degrees	▼
Evaluate and repair cause of water damaged wall material (705 & 705A)	▼
Caulk windows, perimeter	▼
	▼
	▼
	▼
	▼