

THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA

ENVIRONMENTAL HEALTH & SAFETY DEPARTMENT

TELEPHONE (754) 321-4200

FACSIMILE: (754) 321-4285

October 27, 2015

Signature on File

TO: Criag Saddler, Principal
Markham, Robert C. Elementary

FROM: Daniel Meyer, 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
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On October 21, 2015, I conducted an assessment at **Markham, Robert C. Elementary 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.

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
Rich Volipi, Supervisor II Custodial
Mark Murray, Supervisor II Custodial
Sam Bays, Director, Maintenance Operations
Kurt Wirz, Area Manager Trades

DM/je
Enc.

IAQ Assessment

Markham, Robert C. Elementary

Evaluation Date October 21, 2015

Time of Day 10:00 AM

Outdoor Conditions Temperature 82.1 Relative Humidity 68.4 Ambient CO2 415

Fish	Temperature	Range	Relative Humidity	Range	CO ²	Range	# Occupants
131	73.2	72 - 78	56.2	30% - 60%	1805	MAX 700 > Ambient	28
Noticeable Odor		No	Visible water damage / staining?		Visible microbial growth?		Amount of material affected
Ceiling	2' X 4' Lay in		No				
Walls	Plaster		No				
Floor	12" x 12" Vinyl		No				
Ceiling Clean		Yes	HVAC Supply Grills Clean		Yes	HVAC Return Grills Clean	
Walls Clean		Yes	Inside of Supply Duct Clean		Yes	Inside of Return Duct Clean	
Flooring Clean		Yes	Ceiling at Supply Grills Clean		Yes		
Room Surfaces Clean		No					
Trash Removed		Yes	Exhaust Fans Working		N/A	Unapproved Chemicals / Cleaners in Room	
Signs of Pests		No	Drain Traps Wet		Yes	Air Fresheners in Room	
Room Cluttered		No	Food if Stored in Room is in Sealed Containers		N/A		
Mechanical Equipment Location			FISH #105			Mechanical Room Clean	
Filters Installed Properly		Yes	Filters Clean		Yes	Inside of HVAC Unit Clean	
Condensate Pan Clean		Yes	Cooling Coil Clean		Yes		
Fresh Air Intake Location			Ducted to roof-top ▼			Fresh Air Intake Free of Obstruction	
Pollutant Sources Near Air Intake			No ▼			Yes	

Observations

Book shelf dusty. Tops of books need to be dusted. 1 Supply and Return vent for large classroom. High CO2 levels. Wipe microbial growth from ceiling in mechanical room.

Corrective Actions to be Completed by Site Based Staff

Clean all surfaces in classroom HVAC closet	▼
Wipe ceiling stain w/wexcide and monitor	▼
	▼
	▼
	▼
	▼
	▼
	▼

Corrective Actions to be Completed by PPO

Repair HVAC to reduce CO2 level in classroom	▼
Evaluate supply air in classroom	▼
Evaluate ceiling in Fish #105	▼
	▼
	▼
	▼
	▼