

THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA

ENVIRONMENTAL HEALTH & SAFETY DEPARTMENT

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October 30, 2015 **Signature on File**

TO: Zaida Prendes, Principal
 Orange Brook Elementary

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
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On October 28, 2015, I conducted an assessment at **Orange Brook 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

RK/je
Enc.

IAQ Assessment

Orangebrook Elementary School

Evaluation Date October 28, 2015

Time of Day 9:00 AM

Outdoor Conditions Temperature 78.6 Relative Humidity 82.3 Ambient CO2 437

Fish	Temperature	Range	Relative Humidity	Range	CO ²	Range	# Occupants	
1603J	69.0	72 - 78	64.4	30% - 60%	485	MAX 700 > Ambient	3	
Noticeable Odor		No	Visible water damage / staining?		Visible microbial growth?		Amount of material affected	
Ceiling	2' X 4' Lay in		No		No			
Walls	Drywall		No		Yes		Spotty on wall	
Floor	12" x 12" Vinyl		No		No			
Ceiling Clean		Yes	HVAC Supply Grills Clean		Yes	HVAC Return Grills Clean		Yes
Walls Clean		Yes	Inside of Supply Duct Clean		Yes	Inside of Return Duct Clean		Yes
Flooring Clean		Yes	Ceiling at Supply Grills Clean		Yes			
Room Surfaces Clean		Yes						
Trash Removed		Yes	Exhaust Fans Working		N/A	Unapproved Chemicals / Cleaners in Room		No
Signs of Pests		No	Drain Traps Wet		N/A	Air Fresheners in Room		No
Room Cluttered		No	Food if Stored in Room is in Sealed Containers		N/A			
Mechanical Equipment Location			FISH 1641			Mechanical Room Clean		Yes
Filters Installed Properly		Yes	Filters Clean		No	Inside of HVAC Unit Clean		Yes
Condensate Pan Clean		Yes	Cooling Coil Clean		Yes			
Fresh Air Intake Location			Roof top ▼			Fresh Air Intake Free of Obstruction		Yes
Pollutant Sources Near Air Intake			None ▼					

Observations

Spotty microbial growth on wall and plywood backer

Air filters in mechanical room 1641 AHU 5 new filters AHU 3 dirty filters - PPO and Energy Management to test controls complete - Start time to end time and all controls for fans and dampers -

Corrective Actions to be Completed by Site Based Staff

Remove and replace A/C Filters AHU # 3	▼
Clean microbial growth from wall behind door	▼
	▼
	▼
	▼
	▼
	▼
	▼

Corrective Actions to be Completed by PPO

Evaluate and repair HVAC system as needed	▼
Repair HVAC to Reduce Humidity Levels	▼
Sand / Clean / Prime / Paint wood Backer	▼
Set Temperature to 72 - 78 degrees	▼
	▼
	▼
	▼
	▼

