# THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA ENVIRONMENTAL HEALTH & SAFETY DEPARTMENT

#### **TELEPHONE (754) 321-4200**

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November 2,	2016 Signature on File	For Custodial Supervisor Use Only
TO:	Delicia Decembert, Principal Hollywood Central Elementary	Custodial Issues Addressed Custodial Issues Not Addressed
FROM:	Robert Krickovich, Coordinator, LEA Environmental Health & Safety Department	
SUBJECT:	Indoor Air Quality (IAQ) Assessment	

On November 1, 2016, I conducted an assessment at **Hollywood Central 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.

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

	IAQ Assess	ment		
Hollywood	Central Evaluation Dat	te November 1, 2016	Time of Day	2:00
Outdoor Conditions Temperature	e 82.3 Relative	e Humidity 58.5	Ambient CO2 4	22
FishTemperatureRange120A72 - 78		Range <u>CO<sup>2</sup></u> % - 60%	Range # Oc MAX 700 > Ambient	cupants
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling Drywall	No	Νο		
Walls Ceramic Tile	No	No		
Floor Ceramic Tile	No	No		
Ceiling Clean Yes Walls Clean Yes	HVAC Supply Grills Clean	N/a	HVAC Return Grills Clean	N/a
Flooring Clean Yes	Inside of Supply Duct Clean	N/A	Inside of Return Duct Clean	N/A
Room Surfaces Yes Clean	Ceiling at Supply Grills Clean	N/a		
Trash Removed Yes	Exhaust Fans Working	Yes	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests No Room Cluttered No	Drain Traps Wet Food if Stored in Room is in Sealed Containers	Yes N/A	Air Fresheners in Room	No
Mechanical Equipment Location N/	A		Mechanical Room Clean	
Filters Installed Properly	Filters Clean		Inside of HVAC Unit Clean	
Condensate Pan Clean	Cooling Coil Clean			
Fresh Air Intake Location		<ul><li>▼</li></ul>	Fresh Air Intake Free of Obstruction	
Observations Bathroom complaint of odor - NOT a	an IAQ issue - Site based cl	eaning and procedures	s issue.	
Toilet not flushed - Urine in toilet				

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

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## Corrective Actions to be Completed by PPO

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		IAQ Assessm	ent		
Нс	ollywood Central	Evaluation Date	November 1, 2016	5 Time of Day	2:00
Outdoor Conditions Tem	perature 82.3	Relative H	Humidity 58.5	Ambient CO2 4	22
FishTemperature336A	Range Relativ 72 - 78		ange CC - 60%	p <sup>2</sup> Range # O MAX 700 > [ Ambient	ccupants
Noticeable Odor No		ater damage / ining?	Visible microbial growth?	Amount of material affected	
Ceiling Drywall		No	No		
Walls Ceramic Tile		No	No		
Floor Ceramic Tile		No	No		
Ceiling Clean Yes Walls Clean Yes		AC Supply ills Clean	N/a	HVAC Return Grills Clean	N/a
Flooring Clean Yes		side of Supply oct Clean	N/A	Inside of Return Duct Clean	N/A
Room Surfaces Yes Clean		iling at Supply ills Clean	N/a		
Trash Removed Yes Signs of Pests No		Fans Working Train Traps Wet	Yes	Unapproved Chemicals / Cleaners in Room	No
Room Cluttered No		ored in Room is	N/A	Air Fresheners in Room	No
Mechanical Equipment Locat	ion N/A			Mechanical Room Clean	
Filters Installed Properly		Filters Clean		Inside of HVAC Unit Clean	
Condensate Pan Clean	Cool	ling Coil Clean			
Fresh Air Intake Location Pollutant Sources Near Air			<b>▼</b>	Fresh Air Intake Free of Obstruction	
Intake			▼		
Observations					
Bathroom complaint of odor	- NOT an IAQ issue	- Site based clea	aning issue.		

Corrective Actions to be Completed by Site Based Staff

Thoroughly clean ALL surfaces	▼
Run water in sinks and floor drains monthly	▼
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## Corrective Actions to be Completed by PPO

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		IAQ Assessm	ent		
Но	llywood Central	Evaluation Date	November 1, 2016	Time of Day	2:00
Outdoor Conditions Tem	perature 82.3	Relative I	Humidity 58.5	Ambient CO2 4	22
FishTemperature336B	Range Relativ 72 - 78		ange CO - 60%	<sup>2</sup> Range # O MAX 700 > [ Ambient	ccupants
Noticeable Odor No		ater damage / ining?	Visible microbial growth?	Amount of material affected	
Ceiling Drywall		No	No		
Walls Ceramic Tile		No	No		
Floor Ceramic Tile		10	No		
Ceiling Clean Yes Walls Clean Yes		AC Supply ills Clean	N/a	HVAC Return Grills Clean	N/a
Flooring Clean Yes		ide of Supply ct Clean	N/A	Inside of Return Duct Clean	N/A
Room Surfaces Yes Clean		iling at Supply ills Clean	N/a		
Trash Removed Yes Signs of Pests No		Fans Working rain Traps Wet	Yes	Unapproved Chemicals / Cleaners in Room	No
Room Cluttered No		ored in Room is	N/A	Air Fresheners in Room	No
Mechanical Equipment Locati	ion N/A			Mechanical Room Clean	
Filters Installed Properly		Filters Clean		Inside of HVAC Unit Clean	
Condensate Pan Clean	Cool	ing Coil Clean			
Fresh Air Intake Location Pollutant Sources Near Air			<b>▼</b>	Fresh Air Intake Free of Obstruction	
Intake					
Observations	NOT an IAO issue	Cito beard class			
Bathroom complaint of odor	- NUT an IAQ ISSUE	- Site based clea	aning issue.		

Corrective Actions to be Completed by Site Based Staff

Thoroughly clean ALL surfaces	▼
Run water in sinks and floor drains monthly	▼
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## Corrective Actions to be Completed by PPO

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	IAQ Assessr	nent		
Hollyv	vood Central Evaluation Date	e November 1, 2016	Time of Day 1	2:00
Outdoor Conditions Temper	ature 82.3 Relative	Humidity 58.5	Ambient CO2 4	22
		Range         CO <sup>2</sup> % - 60%         674	Range # Oo MAX 700 > Ambient	ccupants 18
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling 2' X 4' Lay in	No	No		
Walls Tack Board	No	No		
Floor 12" x 12" Vinyl	 No	No		
Ceiling Clean Yes Walls Clean Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Flooring Clean Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Room Surfaces Yes Clean	Ceiling at Supply Grills Clean	Yes		
Trash Removed Yes	Exhaust Fans Working	Yes	Unapproved Chemicals / Cleaners in Room	Yes
Signs of Pests No	Drain Traps Wet	Yes	Air Frachauara	
Room Cluttered No	Food if Stored in Room is in Sealed Containers	N/A	Air Fresheners in Room	No
Mechanical Equipment Location	FISH 431		Mechanical Room Clean	Yes
Filters Installed Properly Ye	s Filters Clean	Yes	side of HVAC Unit Clean	Yes
Condensate Pan Clean Ye	s Cooling Coil Clean	Yes		
Fresh Air Intake Location	Outside of Room	▼	Fresh Air Intake Free	Yes
Pollutant Sources Near Air Intake	None	▼	of Obstruction	
Observations				
Pinesol under sink				

Corrective Actions to be Completed by Site Based Staff

Remove non-approved chemicals	▼
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## Corrective Actions to be Completed by PPO

Repair HVAC to Reduce Humidity Levels	▼
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