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

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November 2	, 2017 Signature on File	For Custodial Supervisor Use Only
TO:	April Schentrup, Principal Pembroke Pines Elementary	Custodial Issues Addressed Custodial Issues Not Addressed
FROM:	Alison Witoshynsky, Project Manager Environmental Health & Safety Department	
SUBJECT:	Indoor Air Quality (IAQ) Assessment	

On October 27, 2017, I conducted an assessment at **Pembroke Pines Elementary.** 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: Sam Bays, Director, Maintenance Operations Shelley Meloni, Director, Pre-Construction Mark Dorsett, Manager, Zone 1, Physical Plant Operations Division Greg Neiman, Area Supervisor, Zone 1 Kurt Wirz, Area Manager Trades Gerald Devio, Supervisor II Custodial Benjamin Osborne, Supervisor II Custodial Mark Murray, Supervisor II Custodial Broward Teachers Union Federation of Public Employees

		Multiple Room IAQ	Assessment		
Pembro	oke Pines Elem. S	School Evaluation Da	te October 27, 2017	Time of Day	1115
Outdoor Conditions	Temperature	84.4 Relativ	e Humidity 51.6	Ambient CO2 4	86
Fish # of rooms	assessed				
112, 112A, 113, 114					
L Temperature Range	in the Rooms Asse	essed was Between	68.2 And 71.0	Acceptable Range 72 - 7	78
Relative Humidity	Range in the Roor	ns Assessed was Between	62.6 And 77.7	, Acceptable Range 30% -	60%
Co ² Range in the R	ooms Assessed	was between	⁴⁶⁴ And 607	Acceptable MAX Range Amb	
Noticeable Odor	No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling 2' X 4	' Lay in	Νο	Yes		
	ack Board	No	No		
Floor 12" x 1	12" x 12" Vinyl No No				
FISH 113: Report of maybe from roof of light lenses have s	of leak around A/0 r condensation p igns of water.	ceiling tiles and 1 cut ceil C on roof above main ple lan (needs further investi ns of old water damage o	num return. main plenu gation). Ceiling tiles ne		
Ceiling Clean	No	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	No
Walls Clean Flooring Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	No
Room Surfaces Clean	No	Ceiling at Supply Grills 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	No
Room Cluttered	Yes	Food if Stored in Room is in Sealed Containers	N/A	in Room	

	Multiple	Room IAQ Assess	nent		
Pembroke Pines Ele	em. School	Evaluation Date Octol	ber 27, 2017	Time of Day	1115
Outdoor Conditions Tempera	ture 84.4] Relative Humidity	/ 51.6	Ambient CO2 [486
HVAC System					
Mechanical Equipment Location	Roof Top		Ν	lechanical Room Cl	ean N/A
Filters Installed Properly Yes]	Filters Clean No	Ins	side of HVAC Unit CI	ean No
Condensate Pan Clean Yes] Cooli	ing Coil Clean Yes	N/A	in this section = No	t Accessible
Fresh Air Intake Location	Roof top		▼	Fresh Air Intake F	ree N/A
Pollutant Sources Near Air Intake	Not Readily Acc	cessible	▼	of Obstruction	

Observations

The AP is still requesting the A/C be changed to 24/7 operation. However, at this point, it does not seem appropriate until the humidity and temperature issues can be addressed throughout. HFSP did ask for AC restart to be changed to 530am; which was changed.
Leaks appear to be associated with the roof and/or AC. Further investigation needed.
No wet wall materials were observed in the spaces assessed.

Corrective Actions to be Completed by Site Based Staff

	_
Thoroughly clean elevated surfaces	▼
Room too cluttered to clean properly	▼
Encourage occupant to reduce clutter	▼
Clean dust from ceiling tiles or replace	▼
Remove and replace stained ceiling tile	▼
If stains return, contact COMPASS for work order	▼
	▼
	▼
	▼
	▼
	▼
	▼
	▼

Corrective Actions to be Completed by PPO

confective Actions to be completed by 110
Evaluate and repair cause of stained ceiling tile
Install new ceiling tile upon repair, cuts needed
Evaluate and repair HVAC system as needed
Set Temperature to 72 - 78 degrees
Repair HVAC to Reduce Humidity Levels
Evaluate/Repair HVAC dampers & exhaust
interlocks
Clean HVAC return grills and drops
Replace Wood Door (fish 144c)