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

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October 16, 2	2017 Signature on File	For Custodial Supervisor Use Only
TO:	Teresa Lipkins, Principal Chapel Trail 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 13, 2017, I conducted an assessment at **Chapel Trail 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		
Cha	apel Trail Elem. S	Evaluation Dat	e October 13, 2017	Time of Day	1:04
Outdoor Conditions	Temperature	89.4 Relative	Humidity 71.5	Ambient CO2 4	68
Fish # of rooms a	ssessed				
FISH 221, 222, 223, 2	224, 225, 226, 230), 238, 336, 854			
Approx. 25 students p	er room.				
Temperature Range i	n the Rooms Asse	ssed was Between	68.9 And 76.0	Acceptable Range 72 - 7	78
Relative Humidity	Range in the Roon	ns Assessed was Between	59.5 And 69.7	Acceptable Range 30% -	60%
Co ² Range in the Ro	ooms Assessed	was between	1550 And 1938	Acceptable MAX 7 Range Amb	
Noticeable Odor	No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling 2' X 4'	Lay in	Yes	Yes	FISH 222, 223, 225	;
Walls Drywall/T		Yes	Yes	FISH 221, 225, 230	
Floor 12" x 12	" Vinyl	Νο	Νο		
FISH 222: 1 stained FISH 225: Wall wet 6 stained	ceiling tile; FIS (6' wide, floor to ceiling tiles @ 1' x 1' as a res	ntering exterior door and H 223: 1 stained ceiling ti ceiling); roof leak. (inclue sult of water intrusion from	le des 2 bookshelves & ta		
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	No
Flooring Clean	Yes			Duct Clean	
Room Surfaces	Νο	Ceiling at Supply Grills Clean	Yes		
Trash Removed	Yes	Exhaust Fans Working	Yes	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	Νο	Drain Traps Wet	Yes	Air Fresheners	No
Room Cluttered	Νο	Food if Stored in Room is in Sealed Containers	N/A	in Room	*
FISH 223: light dust	on ceiling tile g	rid			
Light dust on windo much air from room	-	ut area. All exhaust fans a	are operating, but do no	t appear to be exhaustir	ng that
FISH 854. Floor sea	am is breaking/st	ained.			

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	Multiple	Room IAQ Assess	ment		
Chapel Trail	Elem. School	Evaluation Date Octo	ober 13, 2017	Time of Day	1:04
Outdoor Conditions Tempe HVAC System	erature 89.4	Relative Humidit	y 71.5	Ambient CO2	468
Mechanical Equipment Location	es	Filters Clean Yes	Ins	lechanical Room Clear ide of HVAC Unit Clear n this section = Not A	n Yes
Fresh Air Intake Location Pollutant Sources Near Air Intake	Roof top Not Readily Acc	cessible	▼	Fresh Air Intake Free of Obstruction	N/A

Observations

Generally the rooms are clean. There are a few rooms with water damaged walls with identified causes that are being	L
addressed. The backsides of the return air grills and likely the return air ducts are dusty and visibly blocked.	
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Multiple ceiling tiles are stained and need to be replaced in FISH 222, 223, & 225 as a result of roof leaks (H009809, J815514, J825407); HESP awaiting ceiling tile delivery. Per HESP an outside contractor has been onsite to evaluate the roof for repairs, but no work has commenced to date.

FISH 854: Repair AC as needed to decrease Relative Humidity and Carbon Dioxide (J812128)

Corrective Actions to be Completed by Site Based Staff

Clean dust from ceilings	▼
Ensure ceiling tiles are installed properly	▼
Thoroughly clean elevated & horizontal surfaces	▼
Clean restroom exhaust fan grill	▼
	▼
	▼
	▼
	▼
	▼
	▼
	▼
	▼
	▼

Set Temperature to 72 - 78 degrees	▼
Repair HVAC to Reduce Humidity Levels	▼
Repair HVAC to Reduce CO2 Levels	▼
Evaluate and repair cause of stained ceiling tile	▼
Install new ceiling tile upon repair, cuts needed	▼
Evaluate and repair cause of water damaged	▼
wall material	▼
Remove and replace wall material as needed	
Remove and replace wall material as needed Clean HVAC return grills and drops	▼ ▼
	▼ ▼ ▼
Clean HVAC return grills and drops	▼ ▼ ▼ ▼
Clean HVAC return grills and drops Repair Floor Seam (FISH 854) as needed	▼
Clean HVAC return grills and drops Repair Floor Seam (FISH 854) as needed Evaluate/Repair HVAC dampers & exhaust	▼

Corrective Actions to be Completed by PPO