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

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August 1, 20	17 Signature on File	For Custodial Supervisor Use Only
TO:	Vivian Suarez, Principal	Custodial Issues Addressed
	Coral Springs High	Custodial Issues Not Addressed
FROM:	Daniel Meyer, Project Manger Environmental Health & Safety Department	
SUBJECT:	Indoor Air Quality (IAQ) Assessment	

On July 31, 2017, I conducted an assessment at **Coral Springs High 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.

DM: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

	IAQ Assessi	nent		
Coral S	prings High Evaluation Dat	e July 31, 2017	Time of Day	0 AM
Outdoor Conditions Tempera	ture 83.1 Relative	Humidity 99.1	Ambient CO2 4	27
		Range CO ² % - 60% 717	Range # Oo MAX 700 > Ambient	2
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling 2' X 4' Lay in Walls Drywall Floor Carpet				
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	No
Room Surfaces Yes Clean	Ceiling at Supply Grills Clean	No		
Trash Removed Yes	Exhaust Fans Working	N/A	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	N/A N/A	Air Fresheners in Room	No
Mechanical Equipment Location	FISH #129		Mechanical Room Clean	No
Filters Installed ProperlyYesCondensate Pan CleanYes		Yes	Inside of HVAC Unit Clean	Yes
Fresh Air Intake Location Pollutant Sources Near Air Intake	Ducted to roof-top No	v	Fresh Air Intake Free of Obstruction	Yes
Observations				
OFFICE - recently cleaned by oc vacuumed. Mechanical Room ne				be

Corrective Actions to be Completed by Site Based Staff

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Clean dust and debris from ceilings	▼
Clean Mechanical Room and remove stored items	▼
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Repair HVAC to Reduce Humidity Levels	▼
Set Temperature to 72 - 78 degrees	▼
Evaluate fresh dampers in the mechanical room	▼
Repair chilled water insulation	▼
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	IAQ Assess	nent		
Coral Sp	prings High Evaluation Dat	e July 31, 2017	Time of Day 1	0 AM
Outdoor Conditions Temperat	ure 83.1 Relative	Humidity 99.1	Ambient CO2 4	27
Fish Temperature Rar 123 70.1 72 -		Range CO % - 60% 750		ccupants 1
Noticeable Odor Yes	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling2' X 4' Lay inWallsDrywallFloorCarpet				
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	No
Room Surfaces Yes Clean	Ceiling at Supply Grills Clean	No		
Trash Removed Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of PestsNoRoom ClutteredYes	Drain Traps Wet Food if Stored in Room is in Sealed Containers	N/A	Air Fresheners in Room	No
Mechanical Equipment Location	FISH #129		Mechanical Room Clean	No
Filters Installed Properly Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean Yes	Cooling Coil Clean	Yes		
Pollutant Sources Near Air	Ducted to roof-top No	▼ ▼	Fresh Air Intake Free of Obstruction	Yes
Observations				
OFFICE - REMOVE ITEMS STORE cleaned by supply grill. Return du need to be removed (open air)				

Store items in plastic containers with lids	▼
Remove items on floor	▼
Thoroughly Clean Office once items are removed	▼
Clean Mechanical Room and remove stored items	▼
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Repair HVAC to Reduce Humidity Levels	▼
Set Temperature to 72 - 78 degrees	▼
Evaluate fresh dampers in the mechanical room	▼
Repair chilled water insulation	▼
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	IAQ Assess	ment		
Coral S	Springs High Evaluation Dat	e July 31, 2017	Time of Day 10) AM
Outdoor Conditions Tempera	ature 83.1 Relative	Humidity 99.1	Ambient CO2 42	27
		Range CO ² % - 60% 554	Range # Oc MAX 700 > Ambient	cupants
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling 2' X 4' Lay in				
Walls Drywall				
Floor 12" x 12" Vinyl				
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	No
Room Surfaces Yes Clean	Ceiling at Supply Grills Clean	No		
Trash Removed Yes	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of PestsNoRoom ClutteredNo	Drain Traps Wet Food if Stored in Room is in Sealed Containers	N/A	Air Fresheners in Room	No
Mechanical Equipment Location			Mechanical Room Clean	
Filters Installed Properly	Filters Clean	<u> </u>	nside of HVAC Unit Clean	
Condensate Pan Clean	Cooling Coil Clean			
Fresh Air Intake Location		▼	Fresh Air Intake Free of Obstruction	
Pollutant Sources Near Air Intake		▼		
Observations				
Spot checked classrooms throu	ghout the Facility			

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Repair HVAC to Reduce Humidity Levels	▼
Set Temperature to 72 - 78 degrees	▼
Evaluate fresh dampers in the mechanical room	▼
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		IAQ Assessn	nent		
C	Coral Springs High	Evaluation Date	July 31, 2017	Time of Day 1	0 AM
Outdoor Conditions Te	mperature 83.1	Relative	Humidity 99.1	Ambient CO2	427
FishTemperature21369.1	_			CO ² Range # O 540 MAX 700 > [Ambient	eccupants
Noticeable Odor No		ater damage / aining?	Visible microbial growth?	Amount of material affected	
Ceiling 2' X 4' Lay ir					
Walls Drywall					
Floor 12" x 12" Viny					
Ceiling Clean Yes Walls Clean Yes		VAC Supply rills Clean	Yes	HVAC Return Grills Clean	Yes
Flooring Clean Yes		side of Supply uct Clean	Yes	Inside of Return Duct Clean	Yes
Room Surfaces Yes Clean		eiling at Supply rills Clean	Yes		
Trash Removed Yes	1	t Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests No Room Cluttered No	Food if St	Drain Traps Wet cored in Room is Containers	N/A	Air Fresheners in Room	No
Mechanical Equipment Loc	ation			Mechanical Room Clean	
Filters Installed Properly		Filters Clean		Inside of HVAC Unit Clean	
Condensate Pan Clean	Coo	oling Coil Clean			
Fresh Air Intake Location Pollutant Sources Near Air				of Obstruction	
Intake					
Observations					
Spot checked classrooms	throughout the Facil	ity			
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Repair HVAC to Reduce Humidity Levels	▼
Set Temperature to 72 - 78 degrees	▼
Evaluate fresh dampers in the mechanical room	▼
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		IAQ Assessr	nent		
	Coral Springs	High Evaluation Date	e July 31, 2017	Time of Day 1	0 AM
Outdoor Conditions	Temperature	83.1 Relative	Humidity 99.1	Ambient CO2 4	27
FishTemperation42565.8			Range CO % - 60% 447		ccupants 1
Noticeable Odor	No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling 2' X 4' La	iy in				
Walls Drywa	ll				
Floor Carpe	t				
	es	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
	es	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Room Surfaces Yo Clean	es	Ceiling at Supply Grills Clean	Νο		
	es	Exhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	No
	lo lo	Drain Traps Wet Food if Stored in Room is in Sealed Containers	N/A	Air Fresheners in Room	No
Mechanical Equipment	Location			Mechanical Room Clean	
Filters Installed Properly		Filters Clean		Inside of HVAC Unit Clean	
Condensate Pan Clea	n	Cooling Coil Clean			
Fresh Air Intake Locatior	n 🗌		▼	Fresh Air Intake Free	
Pollutant Sources Near A Intake	Air		▼	of Obstruction	
Observations					
BAND ROOM					

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Corrective Actions to be Completed by PPO

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Repair HVAC to Reduce Humidity Levels	▼
Set Temperature to 72 - 78 degrees	▼
Evaluate fresh dampers in the mechanical room	▼
Check controls for outside air damper	▼
Ceiling tile cuts needed around supply vents	▼
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	IAQ Assess	ment		
Coral S	Springs High Evaluation Dat	e July 31, 2017	Time of Day 10	AM
Outdoor Conditions Tempera	ature 83.1 Relative	Humidity 99.1	Ambient CO2 427	7
		Range CO ² % - 60% 445	Range # Occ MAX 700 > Ambient	upants 1
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling				
Walls				
Floor Carpet				
Ceiling Clean Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	No
Walls CleanYesFlooring CleanYes	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	N/A	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	N/A	Air Fresheners in Room	No
Mechanical Equipment Location			Mechanical Room Clean	
Filters Installed Properly	Filters Clean		nside of HVAC Unit Clean	
Condensate Pan Clean	Cooling Coil Clean			
Fresh Air Intake Location		▼	Fresh Air Intake Free of Obstruction	
Pollutant Sources Near Air Intake		▼		
Observations				
AUDITORIUM -				

Clean return air grill	▼
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Corrective Actions to be Completed by PPO

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Repair HVAC to Reduce Humidity Levels	▼
Set Temperature to 72 - 78 degrees	▼
Evaluate fresh dampers in the mechanical room	▼
Check controls for outside air damper	▼
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	IAQ Assess	ment		
Coral	Springs High Evaluation Date	te July 31, 2017	Time of Day 1	0 AM
outdoor Conditions Temper	ature 83.1 Relative	e Humidity 99.1	Ambient CO2 4	27
		Range CO ² % - 60% 455		ccupants 1
Noticeable OdorNoCeiling2' X 4' Lay inWallsDrywallFloor12" x 12" Vinyl	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling Clean Yes Walls Clean Yes Flooring Clean Yes Room Surfaces Yes Clean	HVAC Supply Grills Clean Inside of Supply Duct Clean Ceiling at Supply Grills Clean	Yes Yes	HVAC Return Grills Clean Inside of Return Duct Clean	Yes
Trash Removed Yes Signs of Pests No Room Cluttered No	Exhaust Fans Working Drain Traps Wet Food if Stored in Room is in Sealed Containers	N/A N/A	Unapproved Chemicals / Cleaners in Room Air Fresheners in Room	No
Mechanical Equipment Location Filters Installed Properly No Condensate Pan Clean Yes	Filters Clean	No Yes	Mechanical Room Clean Inside of HVAC Unit Clean	Yes Yes
Fresh Air Intake Location Pollutant Sources Near Air Intake	Ducted to roof-top	▼	Fresh Air Intake Free of Obstruction	Yes
	ughout the Facility. Classroom r eeds to be installed. Outside air			n

Corrective Actions to be Completed by Site Based Staff

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Install proper filters, tape and date.	▼
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	IAQ Assess	nent		
Coral Spri	ngs High Evaluation Dat	e July 31, 2017	Time of Day 10	D AM
Outdoor Conditions Temperatu	re 83.1 Relative	Humidity 99.1	Ambient CO2 4	27
Fish Temperature Rang 542 67.4 72 - 7		Range CO ² % - 60% 537		ccupants
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling 2' X 4' Lay in				
Walls Drywall				
Floor 12" x 12" Vinyl				
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	N/A	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests No	Drain Traps Wet	N/A	Air Fresheners	No
Room Cluttered No	Food if Stored in Room is in Sealed Containers	N/A	in Room	
Mechanical Equipment Location			Mechanical Room Clean	
Filters Installed Properly	Filters Clean		Inside of HVAC Unit Clean	
Condensate Pan Clean	Cooling Coil Clean			
Fresh Air Intake Location		▼	Fresh Air Intake Free of Obstruction	
Pollutant Sources Near Air		▼	0.003.1401011	
Observations				
Spot checked classrooms through	out the Facility. Ceiling tiles	around the supply gri	Is need to be replaced	

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IAQ Assessment				
Coral	Springs High Evaluation Dat	e July 31, 2017	Time of Day 10) AM
Outdoor Conditions Temper	ature 83.1 Relative	e Humidity 99.1	Ambient CO2 4	27
		Range CO ² % - 60% 450	Range # Oc MAX 700 > Ambient	ccupants
Noticeable OdorNoCeiling2' X 4' Lay inWallsDrywall	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Floor Carpet				
Ceiling 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	N/A	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	N/A	Air Fresheners in Room	No
Mechanical Equipment Location	FISH #619		Mechanical Room Clean	Yes
Filters Installed Properly No Condensate Pan Clean Yes		Yes	Inside of HVAC Unit Clean	Yes
Fresh Air Intake Location Pollutant Sources Near Air Intake	Ducted to roof-top	▼	Fresh Air Intake Free of Obstruction	Yes
Observations				
LIBRARY - A/C Unit controls no	t working properly. Tops of the	books need to be clea	ned.	

Corrective Actions to be Completed by Site Based Staff

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Install proper filters, tape and date.	▼
Thoroughly Clean Area - shelves and book tops	▼
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IAQ Assessment					
Coral Spring	s High Evaluation Dat	e July 31, 2017	Time of Day 10) AM	
Outdoor Conditions Temperature	83.1 Relative	Humidity 99.1	Ambient CO2 4	27	
Fish Temperature Range 622 67.9 72 - 78		Range CC % - 60% 52		ccupants	
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected		
Ceiling 2' X 4' Lay in					
Walls Drywall					
Floor 12" x 12" Vinyl					
Ceiling 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	No	
Room Surfaces Yes Clean	Ceiling at Supply Grills Clean	Νο			
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 No	Food if Stored in Room is in Sealed Containers	N/A	in Room		
Mechanical Equipment Location			Mechanical Room Clean		
Filters Installed Properly	Filters Clean		Inside of HVAC Unit Clean		
Condensate Pan Clean	Cooling Coil Clean				
Fresh Air Intake Location		▼	Fresh Air Intake Free of Obstruction		
Pollutant Sources Near Air		▼	0 00311001011		
Observations					
Spot checked classrooms throughou	t the Facility. Classroom r	eady for Summer cle	aning		

Corrective Actions to be Completed by Site Based Staff

Classroom is due for a summer cleaning	▼
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