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

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June 7, 2016	Signature on File	For Custodial Supervisor Use Only
TO:	Katie Policastro, Principal Park Springs Elementary	Custodial Issues Addressed
FROM:	Daniel Meyer, Project Manger Environmental Health & Safety Department	Custodial Issues Not Addressed
SUBJECT:	Indoor Air Quality (IAQ) Assessment	

On June 6, 2016, I conducted an assessment at **Park Springs 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.

DM: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 Assessment

P	Park Springs Eleme	ntary Evalu	ation Date	June 6, 2	2016	Time of Day1	2:30 PM
Outdoor Conditions	Temperature	88.6	Relative Hu	umidity 7	77.1	Ambient CO2	403
Fish Tempe 603 75	Frature Range 72 - 78	Relative Humi 62.1	idity Rai	nge 60%	CO ² 2030	Range # MAX 700 > Ambient	Occupants 28
Noticeable Odor	No	Visible water dan staining?	nage /	Visible micro growth?		Amount of material affected	I
Ceiling 2' X 4'	Lay in	No		No			
Walls Dry	wall	No		No			
Floor 12" x 12	2" Vinyl	No		No			
Ceiling Clean	Yes	HVAC Sup Grills Clea		Yes		HVAC Return Grills Clean	No
Walls Clean	Yes	Inside of S	Supply _[Vaa		Inside of Return	
Flooring Clean	Yes	Duct Clear		Yes		Duct Clean	Yes
Room Surfaces Clean	No	Ceiling at Grills Clea		No			
Trash Removed [Yes	Exhaust Fans W	Vorking [Yes		napproved Chemicals eaners in Room	s/ No
Signs of Pests	No	Drain Tra	aps Wet	Yes	,	Air Fresheners	No
Room Cluttered	No	Food if Stored in Fin Sealed Contain		Yes	=	in Room	No
Mechanical Equipme	nt Location Abov	/e Ceiling			Me	echanical Room Clear	n N/A
Filters Installed Prope	erly Yes	Filters	Clean [No	Insid	de of HVAC Unit Clea	n Yes
Condensate Pan C	lean Yes	Cooling Coi	I Clean	Yes			
Fresh Air Intake Locat		ed to roof-top			▼	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Nea Intake	ar Air No				▼		
Observations							
Elevated CO2 levels i shelves so they can b							e items on
Corrective Actions to	o be Completed b	y Site Based Sta		Corrective	e Actions to	b be Completed by	PPO
Clean dust fro	om ceiling tiles or	replace	▼			uce Humidity Level	
R	Replace filters		▼	Repair HVAC	to reduce	CO2 level in classr	room 🔻

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Reduce stored items

Thoroughly Clean All Surfaces in Room

IAQ Assessment

Park Springs Elementary	Evaluation Da	June 6, 2016	Time of Day 12:30) PM		
Outdoor Conditions Temperature 88.6	Relativ	e Humidity 77.1	Ambient CO2 403	3		
Fish Temperature Range Relation 607 74.8 72 - 78	63.4 30	Range CO ² 0% - 60%		upants 32		
I NOTICEADIC OUCH NO	water damage / staining? No No No	Visible microbial growth? No No No	Amount of material affected			
Walls Clean Flooring Clean Room Surfaces No	HVAC Supply Grills Clean Inside of Supply Duct Clean Ceiling at Supply Grills Clean	No Yes No	HVAC Return Grills Clean Inside of Return Duct Clean	No Yes		
Signs of Pests No Room Cluttered No Food if	ust Fans Working Drain Traps Wet Stored in Room is d Containers	Yes Yes Yes	Unapproved Chemicals / Cleaners in Room Air Fresheners in Room	No No		
Mechanical Equipment Location Above Ceilin Filters Installed Properly Yes Condensate Pan Clean Yes Co	Filters Clean	No Yes	Mechanical Room Clean [N/A Yes		
Fresh Air Intake Location Pollutant Sources Near Air Intake No	of-top	▼	Fresh Air Intake Free of Obstruction	Yes		
Observations Elevated CO2 levels in classroom. Ceiling around supply grills needs to be cleaned or tiles replaced. Return grills need to be cleaned and filters need to be replaced.						
Corrective Actions to be Completed by Site B			ns to be Completed by PPO			
Classroom is due for a summer cleanin			Reduce Humidity Levels			
Replace filters		•	uce CO2 level in classroom			
Clean supply/return grills w/ wexcide	▼	Ceiling tile cuts ne	eded around supply vents	▼		

IAQ Assessment

Park Springs E	lementary Evaluation D	Date June 6, 2016	Time of Day	PM		
Outdoor Conditions Temperat	ure 88.6 Relati	ive Humidity 77.1	Ambient CO2 403			
Fish Temperature Rar 608 74.9 72 -		Range CO 30% - 60% 215				
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	No				
Floor 12" x 12" Vinyl	No	No				
Ceiling Clean Yes Walls Clean Yes	HVAC Supply Grills Clean	No	HVAC Return Grills Clean	No		
Flooring Clean Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	'es		
Room Surfaces No Clean	Ceiling at Supply Grills Clean	No				
Trash Removed Yes	Exhaust Fans Working		Unapproved Chemicals / Cleaners in Room	No		
Signs of Pests No Room Cluttered No	Drain Traps We Food if Stored in Room i in Sealed Containers		Air Fresheners in Room	No		
Mechanical Equipment Location	Above Ceiling		Mechanical Room Clean	I/A		
Filters Installed Properly Yes	Filters Clean	No	Inside of HVAC Unit Clean	'es		
Condensate Pan Clean Yes	Cooling Coil Clean	Yes				
Fresh Air Intake Location	Ducted to roof-top	▼	Fresh Air Intake Free	'es		
Pollutant Sources Near Air Intake	No	▼				
Observations						
Elevated CO2 levels in classroom. Remove items from wooden bookcase and clean properly (wooden puzzles) with wexcide. Supply and return grills need to be cleaned.						
Corrective Actions to be Completed by Site Based Staff Corrective Actions to be Completed by PPO						
Classroom is due for a summer cleaning ▼ Repair HVAC to Reduce Humidity Levels						
Replace filters ▼ Repair HVAC to reduce CO2 level in classroom Clean supply/return grills w/ wexcide ▼						
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Wexcide wooden book case and contents