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

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September	r 10, 2015 Signature on File	For Custodial Supervisor Use Only
TO:	Deborah Peeples, Principal Village Elementary	Custodial Issues Addressed
FROM:	Daniel Meyer, Project Manager Environmental Health & Safety Department	Custodial Issues Not Addressed
SUBJECT:	Indoor Air Quality (IAQ) Assessment	

On September 9, 2015, I conducted an assessment at **Village 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.

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 Volipi, Supervisor II Custodial Mark Murray, Supervisor II Custodial Sam Bays, Director, Maintenance Operations Kurt Wirz, Area Manager Trades

	I.	AQ Assessm	nent			
Villa	age Elementary	Evaluation Date	September	9, 2015	Time of Day	0:15 AM
Outdoor Conditions Temp	perature 83.8	Relative	Humidity	81.6	Ambient CO2	495
FishTemperatureQP89371.5	°		ange 5 - 60%	CO ² 498	Range # (MAX 700 > Ambient	Occupants
Noticeable Odor No		er damage / ning?	Visible micro growth?		Amount of material affected	
Ceiling 2' X 4' Lay in	Ye	s	Yes	l	6 tiles	
Walls Drywall/Tackboard	d Ye	s	No	[under A/C unit	S
Floor 12" x 12" Vinyl	No	D	No	[
Ceiling Clean Yes Walls Clean Yes		C Supply s Clean	No		HVAC Return Grills Clean	No
Flooring Clean Yes		de of Supply t Clean	N/A		Inside of Return Duct Clean	N/A
Room Surfaces Yes Clean		ing at Supply Is Clean	Yes			
Trash Removed Yes		ans Working	N/A		Unapproved Chemicals Cleaners in Room	/ <u>No</u>
Signs of Pests No	Dra	ain Traps Wet	N/A		Air Fresheners	No
Room Cluttered No	Food if Stor in Sealed Co	ed in Room is ontainers	N/A		in Room	
Mechanical Equipment Locati	on Window unit				Mechanical Room Clean	N/A
Filters Installed Properly	Yes	Filters Clean	No	In	side of HVAC Unit Clear	Yes
Condensate Pan Clean	Yes Coolir	ng Coil Clean	Yes			
Fresh Air Intake Location	Window unit			▼	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	No			▼		
Observations						
6 ceiling tile are wet. Walls un to be wiped cleaned. Filters of School was calling in work o	on all units need to b					
	v					

Corrective Actions to be Completed by Site Based Staff

Replace filters	▼	
Wipe window unit grills with wexcide	▼	
	▼	
	▼	
	▼	
	▼	
	▼	
	▼	

Corrective Actions to be Completed by PPO

Repair Cause of Stained Ceiling Tiles (Roof)	▼
Replace wall material under A/C units	▼
	▼
	▼
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	▼
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	14	Q Assessm	nent		
Village	Elementary	Evaluation Date	September 9,	, 2015 Time of Day 1	0:15 AM
Outdoor Conditions Temper	ature 83.8	Relative	Humidity 81	1.6 Ambient CO2	495
	ange Relative 2 - 78		ange 5 - 60%	CO ² Range # MAX 700 > Ambient	Occupants
Noticeable Odor Yes	Visible wate stain		Visible microb growth?	ial Amount of material affected	
Ceiling2' X 4' Lay inWallsDrywall/TackboardFloor12" x 12" Vinyl	Yes Yes	5	Yes No	Entire portable Entire portable	
Ceiling Clean Yes Walls Clean Yes Flooring Clean Yes	Grills Insid	C Supply s Clean e of Supply Clean	No N/A	HVAC Return Grills Clean Inside of Return Duct Clean	No N/A
Room Surfaces Yes Clean		ng at Supply s Clean	Yes		
Trash RemovedYesSigns of PestsYesRoom ClutteredNo	Dra	ans Working in Traps Wet ed in Room is ntainers	N/A N/A N/A	Unapproved Chemicals Cleaners in Room Air Fresheners in Room	/ No
Mechanical Equipment Location Filters Installed Properly Ye Condensate Pan Clean Yes		filters Clean g Coil Clean	No Yes	Mechanical Room Clear	
Fresh Air Intake Location Pollutant Sources Near Air Intake	Window unit No			 Fresh Air Intake Free of Obstruction 	Yes
Observations Roof needs to be evaluated. En Insulation need to be replaced (Evaluate Roof and Repairs - Po	microbial growth)		are wet and will	need to be replaced. Ceiling	tiles and

Corrective Actions to be Completed by Site Based Staff

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Corrective Actions to be Completed by PPO

Evaluate Roof	▼
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IAQ Assessment					
Village	Elementary Evaluation Date	e September 9, 2015	Time of Day 10:15 AM	1	
Outdoor Conditions Temper	ature 83.8 Relative	Humidity 81.6	Ambient CO2 495]	
		Range CO ² % - 60% 513	Range# OccupaMAX 700 >2Ambient	nts	
Noticeable Odor Yes	Visible water damage / staining?	Visible microbial growth?	Amount of material affected		
Ceiling 2' X 4' Lay in	Yes	Yes	9 Tiles		
Walls Drywall/Tackboard	Yes	No	Entire portable		
Floor 12" x 12" Vinyl	No	No			
Ceiling Clean Yes Walls Clean Yes	HVAC Supply Grills Clean	No	HVAC Return Grills Clean	<u>></u>	
Flooring Clean Yes	Inside of Supply Duct Clean	N/A	Inside of Return Duct Clean	4	
Room Surfaces Yes Clean	Ceiling at Supply Grills Clean	Yes			
Trash Removed Yes	Exhaust Fans Working	N/A	Unapproved Chemicals /	2	
Signs of Pests Yes	Drain Traps Wet	N/A		\exists	
Room Cluttered No	Food if Stored in Room is in Sealed Containers	N/A	Air Fresheners No in Room	<u>></u>	
Mechanical Equipment Location	Window unit		Mechanical Room Clean	4	
Filters Installed Properly Yes	s Filters Clean	No	Inside of HVAC Unit Clean	s	
Condensate Pan Clean Yes	s Cooling Coil Clean	Yes			
Fresh Air Intake Location	Window unit	▼	Fresh Air Intake Free	s	
Pollutant Sources Near Air Intake	Νο	▼	of Obstruction		
Observations					
Roof needs to be evaluated. Entire inside of portable (all walls) are wet and will need to be replaced. Termite droppings North wall.					
Evaluate Roof and Repairs - Po	rtable in bad condition.				

Corrective Actions to be Completed by Site Based Staff

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Corrective Actions to be Completed by PPO

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Evaluate Roof	▼
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