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

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October 25, 2	Signature on File	For Custodial Supervisor Use Only
TO:	Valerie Harris, Principal Olsen Middle	Custodial Issues Addressed Custodial Issues Not Addressed
FROM:	Alison Witoshynsky, Project Manager Environmental Health & Safety Department	
SUBJECT:	Indoor Air Quality (IAQ) Assessment	

On October 24, 2017, I conducted an assessment at **Olsen Middle 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.

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

	Olsen Middle Ev	valuation Date Octobe	er 24, 2017	Time of Day	100
Outdoor Conditions Tem	perature 77.3	Relative Humidity	99.9	Ambient CO2	184
Fish Temperature 202/202E 65.4	Range Relative H 72 - 78 80.3	i	CO ² 689	Range # O MAX 700 > Ambient	0
Noticeable Odor No	Visible water stainin	damage /	microbial wth?	Amount of material affected	
Ceiling 2' X 4' Lay in/Plast Walls Plaster/Ceramic	<u> </u>		es es		
Floor 12" x 12" Vinyl	No		lo		
Ceiling Clean No Walls Clean No	HVAC Grills (Supply Clean Yes		HVAC Return Grills Clean	No
Flooring Clean Yes	Inside Duct C	of Supply lean N/A		Inside of Return Duct Clean	No
Room Surfaces Yes Clean	Ceiling Grills (g at Supply Clean No			
Trash Removed Yes	Exhaust Far			Inapproved Chemicals / Cleaners in Room	No
Signs of Pests No Room Cluttered No	Drain Food if Stored in Sealed Con	III I I I I I I I I I I I I I I I I I		Air Fresheners in Room	No
Mechanical Equipment Locati	on FISH 203		N	lechanical Room Clean	Yes
Filters Installed Properly	Yes Fil	ters Clean No	Ins	ide of HVAC Unit Clean	No
Condensate Pan Clean	Yes Cooling	Coil Clean No			
Fresh Air Intake Location Pollutant Sources Near Air	Roof top		V	Fresh Air Intake Free of Obstruction	N/A
Intake	Not readily access	sible	▼		

Observations

Kitchen. Plaster ceilings in Kitchen (FISH 202) have multiple ~ 1' x 1' locations with black spots. Three smaller locations at the corner of the plaster wall and ceiling tile grid on the other side of the kitchen near the exit door. No leak or water staining observed to indicate a roof leak or piping drips. Very cold and high humidity. Supply grills have condensation dripping. Need to confirm HVAC controls are set properly to modulate correct interior temps.

Corrective Actions to be Completed by Site Based Staff

Corrective Actions to be completed by Oile Base	u Otuii
Wipe wall/ceiling with wexcide and	▼
evaluate/monitor	▼
Remove and replace A/C Filters	▼
Tape and date HVAC filters	▼
	▼
	▼
	▼
	▼

Corrective Actions to be Completed by PPO

Contoure Actions to be completed by 110	
Evaluate and repair HVAC system as needed	▼
Set Temperature to 72 - 78 degrees	▼
Repair HVAC to Reduce Humidity Levels	▼
Clean HVAC return grills and drops	▼
Clean entire HVAC system - unit and drops	▼
	▼
	▼
	▼

Evaluation Date

Olsen Middle

October 24, 2017

Time of Day 100

Outdoor Conditions Temperature	77.3 Relative	Humidity 99.9	Ambient CO2 4	84
Fish Temperature Range 718 63.8 72 - 78	i	Range CC 107		0 0
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling 2' X 4' Lay in	Yes	Yes		
Walls Plaster	Yes	Yes		
Floor 12" x 12" Vinyl	No	No		
Ceiling Clean No	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	No
Walls Clean No Flooring Clean Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Room Surfaces No 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	Yes	Air Fresheners	No
Room Cluttered Yes	Food if Stored in Room is in Sealed Containers	N/A	in Room	No
Mechanical Equipment Location FIS	H 727B		Mechanical Room Clean	Yes
Filters Installed Properly Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean Yes	Cooling Coil Clean	Yes		
Fresh Air Intake Location Ext	erior corridor	▼	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake		▼	oi Obstituction	

Observations

Classroom. Lots of cardboard boxes on/in upper cabinets. Horizontal/elevated surfaces have dust/debris. Black stand alone electronics console has white growth all around. Walls are dirty where not repainted. Very cold in room & HVAC controls at individual unit does not appear to be working properly for correct interior temperature. Plastic speaker cover and surrounding plastic/fiberglass ceiling tile has spotty growth. CO2 is boarderline, nearing the high end of the desired range, especially with no occupants.

Corrective Actions to be Completed by Site Based Staff

Clean dust from wall surfaces	▼
Thoroughly clean elevated & horizontal surfaces	▼
Wipe electronics console with wexcide	▼
Wipe wall/ceiling with wexcide and	▼
evaluate/monitor	▼
Encourage occupant to reduce clutter	▼
Remove cardboard boxes	▼
Store items in plastic containers with lids	▼

Corrective Actions to be Completed by PPO

Contoure Actions to be completed by 110	
Evaluate and repair HVAC system as needed	▼
Set Temperature to 72 - 78 degrees	▼
Repair HVAC to Reduce Humidity Levels	▼
Clean HVAC return grills and drops	▼
Evaluate/Repair HVAC dampers & exhaust	▼
interlocks	▼
	▼
	▼