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

FACSIMILE: (754) 321-4285

TELEPHONE (754) 321-4200

November 24,	2015	Signature on File	For Custodial Supervisor Use Only
TO:	Paul Micensky, Tequesta Trace	±	Custodial Issues Addressed
FROM:		ch, Coordinator, LEA Health & Safety Department	Custodial Issues Not Addressed
SUBJECT: Ind	oor Air Quality (IAQ) Assessment	

On November 17, 2015, I conducted an assessment at **Tequesta Trace 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.

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

Outdoor Conditions Temperature	e 80.7 Relative	Humidity 81.3	Ambient CO2 4	27
Fish Temperature Range 720 72.2 72 - 78	i	Range CC % - 60 %		ccupants 2
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling 2' X 2' Lay in	No	No		
Walls Plaster	No	No		
Floor 12" x 12" Vinyl	No	No		
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 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	No	Air Fresheners	No
Room Cluttered No	Food if Stored in Room is in Sealed Containers	N/A	in Room	NO
Mechanical Equipment Location FI	SH 721		Mechanical Room Clean	Yes
Filters Installed Properly Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean No	Cooling Coil Clean	Yes		
Fresh Air Intake Location	utside of Room	▼	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	one	▼	or obstruction	

Observations

Dust on surfaces - Heavy dust on glass wall cabinets - Spotty microbial growth on inside of glass doors on cabinets -Sink drain traps dry - Humidity elevated

Mechanical room 721 - Standing water in HVAC drain pan

Corrective Actions to be Completed by Site Based Staff

Jian
▼
▼
▼
•
•
•
▼
▼

Corrective Actions to be completed by 110	
Repair HVAC to Reduce Humidity Levels	▼
Repair HVAC to drain Condensate pan	▼
	▼
	▼
	▼
	▼
	▼
	▼

Thoroughly clean horizontal surfaces	▼
	▼
	▼
	▼
	▼
	▼
	▼
	▼

▼
▼
▼
▼
▼
▼
▼
▼

Outdoor Conditions Temperatur	e 80.7 Relative	Humidity 81.3	Ambient CO2 4	27
Fish Temperature Range 714 73.3 72 - 78		Range CC % - 60% 123		ccupants 22
Noticeable Odor No Ceiling 2' X 2' Lay in	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Walls Plaster Floor 12" x 12" Vinyl	No No	No No		
Ceiling Clean Walls Clean Flooring Clean Room Surfaces Yes No	HVAC Supply Grills Clean Inside of Supply Duct Clean Ceiling at Supply	Yes	HVAC Return Grills Clean Inside of Return Duct Clean	Yes
Clean	Grills 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 No N/A	Unapproved Chemicals / Cleaners in Room Air Fresheners in Room	No No
l	SH 730		Mechanical Room Clean	Yes
Filters Installed Properly Condensate Pan Clean No	Filters Clean Cooling Coil Clean	Yes	Inside of HVAC Unit Clean	Yes
Dellutent Seurage Near Air	utside of Room	▼	Fresh Air Intake Free of Obstruction	Yes

Observations

Dust on surfaces - Heavy dust on glass wall cabinets - Humidity elevated - CO2 slightly elevated - Sink drain traps dry - spotty microbial growth on back of pull down movie screen.

Mechanical room 730 - Standing water in HVAC drain pan

Corrective Actions to be Completed by Site Based Staff

Jiuii
•
▼
▼
•
•
•
▼
▼

Confective Actions to be completed by 11 C	
Repair HVAC to Reduce Humidity Levels	▼
Repair HVAC to reduce CO2	▼
Repair HVAC to drain Condensate pan	▼
	▼
	▼
	▼
	▼
	▼

Thoroughly clean horizontal surfaces	•
Clean back of movie screen and leave	▼
down until completely dry	▼
Run water in sinks and floor drains monthly	▼
	▼
	▼
	•
	▼

Repair HVAC to Reduce Humidity Levels	▼
Repair HVAC to reduce CO2	▼
Repair HVAC to drain Condensate pan	•
	•
	•
	•
	▼
	▼

Outdoor Conditions Tempe	erature 80.7 Relative	Humidity 81.3	Ambient CO2 4	27
		Range CC 129		25
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling 2' X 2' Lay in	No	No		
Walls Plaster	No	No		
Floor 12" x 12" Vinyl	No	No		
Ceiling Clean Yes Walls Clean Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Walls Clean Yes 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	No	Air Fresheners	Yes
Room Cluttered No	Food if Stored in Room is in Sealed Containers	N/A	in Room	163
Mechanical Equipment Locatio	n FISH 722		Mechanical Room Clean	Yes
Filters Installed Properly Y	es Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean	Cooling Coil Clean	Yes		
Fresh Air Intake Location	Outside of Room	▼	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air	None	▼	or obstruction	

Observations

Intake

Dust on surfaces - Heavy dust on glass wall cabinets - Sink drain traps dry - Glade plug-in and electric candle pot melted wax in pot (both items removed by AP) - Humidity elevated - CO2 slightly elevated

Mechanical room 722 - Standing water in HVAC drain pan

Corrective Actions to be Completed by Site Based Staff

nan
▼
▼
▼
▼
▼
•
▼
▼

Corrective Actions to be completed by 11 C	
Repair HVAC to Reduce Humidity Levels	▼
Repair HVAC to drain Condensate pan	▼
Repair HVAC to reduce CO2	▼
	▼
	▼
	▼
	▼
	▼

Evaluation Date | November 17, 2015 | Time of Day 10:30 AM Tequesta Trace Middle School

Outdoor Conditions Temper	ature 80.7 Relative	Humidity 81.3	Ambient CO2 4	27
		Range CO % - 60% 559	MAX 700 > Ambient	ccupants 2
Noticeable Odor Yes	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling 2' X 2' Lay in	No	No		
Walls Plaster	Yes	No	24 Sq Ft	
Floor 12" x 12" Vinyl	No	No		
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 Signs of Pests No	Exhaust Fans Working Drain Traps Wet	N/A	Unapproved Chemicals / Cleaners in Room	No
Room Cluttered No	Food if Stored in Room is in Sealed Containers	N/A	Air Fresheners in Room	No
Mechanical Equipment Location	FISH 603		Mechanical Room Clean	Yes
Filters Installed Properly Yes	s Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean No	Cooling Coil Clean	No		
Fresh Air Intake Location	Outside of Room	▼	Fresh Air Intake Free	Yes
Pollutant Sources Near Air Intake	None	▼	of Obstruction	

Observations

Musty odor in room - Room temperature to low - Classroom wall at mechanical room visibly water damaged - Wet at time of assessment 3 feet up from floor entire 8 foot wall.

Mechanical room 603 - Condensate drain on A/C unit clogged - Condensate running out of unit onto floor into classroom wall.

Corrective Actions to be Completed by Site Based Staff

constant a none to be completed by one Eucou c	
When water damage is noticed call in work order	▼
for repairs	▼
	▼
	▼
	▼
	▼
	▼
	▼

Set Temperature to 72 - 78 degrees	▼
Repair HVAC in 603 to drain	▼
Remove water damaged wall material in 603 & 604	▼
Replace water damaged wall material in 603 & 604	▼
	▼
	▼
	▼
	▼

IAQ Assessment

Tequesta Trace Middle	School Evaluation Da	November 17, 2015	Time of Day 10:30 A	M
Outdoor Conditions Temperature	80.7 Relativ	e Humidity 81.3	Ambient CO2 427	
Fish Temperature Range 007B 72 - 78	Relative Humidity	Range CO	Range # Occup MAX 700 > 2 Ambient	
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling 2' X 2' Lay in	No	No		<u> </u>
Walls Plaster	Yes	No	64 square feet	_
Floor 12" x 12" Vinyl	No	No		
Ceiling Clean Walls Clean	HVAC Supply Grills Clean		HVAC Return Grills Clean	
Flooring Clean	Inside of Supply Duct Clean		Inside of Return Duct Clean	
Room Surfaces Clean	Ceiling at Supply Grills Clean			
Trash Removed	Exhaust Fans Working		Unapproved Chemicals / Cleaners in Room	
Signs of Pests Room Cluttered	Drain Traps Wet Food if Stored in Room is in Sealed Containers		Air Fresheners in Room	
Mechanical Equipment Location Uni	known		Mechanical Room Clean	I/A
Filters Installed Properly N/A	Filters Clean	N/A	Inside of HVAC Unit Clean	I/A
Condensate Pan Clean N/A	Cooling Coil Clean	N/A		
Fresh Air Intake Location Pollutant Sources Near Air Intake		▼	Fresh Air Intake Free of Obstruction	
Observations				
Corridor 007B backs up to sink cabin was repaired recently - Wall wet at ti cabinets in 719 - remove water dama damaged wall material as needed. Doors to classrooms blocked open a	me of assessment - PPO ged wall behind sink cabi	to remove water dama nets - repair cause of v	ged wall in 007B - remove sink water damage - Replace all wa	k iter
has elevated humidity - keep doors c				·· ੪
Corrective Actions to be Completed	by Site Based Staff	Corrective Action	ons to be Completed by PPO	
Ensure all outside doors remain clo	sed at all times ▼	Evaluate and repa	ir cause of water damaged	▼
	▼		all material	✓
	▼	Remove and repla	ace wall material as needed	┩

Repair HVAC to Reduce Humidity Levels
Repair HVAC to reduce CO2

Repair HVAC to drain Condensate pan
In entire building 10

▼