

managing risk with responsibility

Aston A. Henry, Supervisor
Risk Management Department

Telephone:754 321-1900Fax:754 321-1917

September 1	4, 2012 Signature on File	For Custodial Supervisor Use Only
TO:	Julie Gittelman, Principal Plantation Park Elementary School	Custodial Issues Addressed Custodial Issues Not Addressed
FROM:	Richard Rosa, Project Manager Facilities Design and Construction	
SUBJECT:	Indoor Air Quality (IAQ) Assessment	

On September 7, 2012, I conducted an assessment at **Plantation Park 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 754-321-1907.

cc: Directors, School Performance & Accountability Shelley Meloni, Executive Director, Facilities Design and Construction Mark Dorsett, Manager, Zone 1, Physical Plant Operations Division Roy Norton, Manager, Custodial/Grounds, Physical Plant Operations Division Aston Henry, Supervisor, Risk Management Sonja Coley, Senior Project Manager, Facilities Design and Construction Broward Teachers Union Federation of Public Employees

RR/tc Enc.

IAQ Assessment	
Plantation Park Elementary Evaluation Date September 7, 2012	2 Time of Day 2:30
Outdoor Conditions Temperature 83.4 Relative Humidity 80.7	Ambient CO2 422
FishTemperatureRangeRelative HumidityRangeCO50274.372 - 786730% - 60%1138	
Noticeable Odor No Visible water damage / staining? Visible microbial growth?	Amount of material affected
Ceiling2' X 4' Lay inNoNoWallsTackboardNoNoFloorSheet VinylNoNo	
Ceiling CleanNoHVAC Supply Grills CleanYesWalls CleanYesInside of Supply Duct CleanNoFlooring CleanYesCeiling at Supply Grills CleanNo	HVAC Return Grills Clean Yes Inside of Return Duct Clean No
Trash RemovedYesExhaust Fans WorkingYesSigns of PestsNoDrain Traps WetYesRoom ClutteredYesFood if Stored in Room is in Sealed ContainersN/A	Unapproved Chemicals / Cleaners in Room Air Fresheners in Room
Mechanical Equipment Location FISH 509 Filters Installed Properly No Filters Clean No Condensate Pan Clean N/A Cooling Coil Clean N/A	Mechanical Room Clean Yes Inside of HVAC Unit Clean N/A
Fresh Air Intake LocationThrough exterior wallPollutant Sources Near Air IntakeSandy playground area	Fresh Air Intake Free Yes Yes
Observations HVAC filters need to be changed and the filter cover was on the floor allowing air to	bypass the filters.

Corrective Actions to be Completed by Site Based Staff

Clean ceilings around HVAC supply grills	▼
Thoroughly clean elevated surfaces	▼
Encourage occupant to reduce clutter	▼
Install new A/C filters and ensure proper installation	▼
and proper date	▼
	▼
	▼
	▼

Corrective Actions to be Completed by PPO

Confective Actions to be completed by 110
Repair HVAC to reduce humidity level
Install filter cover on AHU in FISH 509
Clean HVAC supply drops
Clean HVAC return drops

	IAQ Assessn	nent		
Plantation Park	Elementary Evaluation Date	e September 7, 2012	2 Time of Day	2:30
Outdoor Conditions Tempera	ature 83.4 Relative	Humidity 80.7	Ambient CO2 4	22
		Range CO % - 60% 1010		ccupants
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling 2' X 4' Lay in Walls Tackboard Floor Sheet Vinyl	No No No	No No No		
Ceiling CleanNoWalls CleanYesFlooring CleanYesRoom SurfacesNoCleanYes	HVAC Supply Grills Clean Inside of Supply Duct Clean Ceiling at Supply Grills Clean	Yes No	HVAC Return Grills Clean Inside of Return Duct Clean	No
Trash RemovedYesSigns of PestsYesRoom ClutteredYes	Exhaust Fans Working Drain Traps Wet Food if Stored in Room is in Sealed Containers	Yes Yes Yes	Unapproved Chemicals / Cleaners in Room Air Fresheners in Room	No No
Mechanical Equipment Location Filters Installed Properly No Condensate Pan Clean N/A		No N/A	Mechanical Room Clean Inside of HVAC Unit Clean	Yes N/A
Fresh Air Intake Location Pollutant Sources Near Air Intake	Through exterior wall Sandy playground area	▼	Fresh Air Intake Free of Obstruction	Yes
Observations Insect and insect debris found of students belongings - HVAC filte filters.				

Corrective Actions to be Completed by Site Based Staff

i >	
Clean ceilings around HVAC supply grills	▼
Generate a work order for pest control	▼
Thoroughly clean horizontal surfaces	▼
Install new A/C filters and ensure proper installation	▼
and proper date	▼
Encourage occupant to reduce clutter	▼
Clean HVAC return grills with Wexcide	▼
	▼

Corrective Actions to be Completed by PPO

▼
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		IAQ Assessme	ent		
Plantation	n Park Elementary	Evaluation Date	September 7, 2012	2 Time of Day	2:30
Outdoor Conditions Te	emperature 83.4	Relative H	lumidity 80.7	Ambient CO2	22
FishTemperature50672.3	· · · · · · · · · · · · · · · · · · ·		inge <u>CO</u> - 60% ⁹¹²		ccupants
Noticeable OdorNoticeable OdorCeiling2' X 4' Lay inWallsTackboardFloorSheet Vinyl		ater damage / nining? No No	Visible microbial growth? No No No	Amount of material affected	
Ceiling CleanNoWalls CleanNoFlooring CleanYesRoom SurfacesNoCleanYes	ے اب Ce	/AC Supply ills Clean side of Supply act Clean eiling at Supply ills Clean	Yes No No	HVAC Return Grills Clean Inside of Return Duct Clean	Yes
Trash RemovedYesSigns of PestsYesRoom ClutteredYes] [Food if St	t Fans Working Drain Traps Wet ored in Room is Containers	Yes Yes	Unapproved Chemicals / Cleaners in Room Air Fresheners in Room	No
Mechanical Equipment Loc Filters Installed Properly Condensate Pan Clean	No	Filters Clean ling Coil Clean	No N/A	Mechanical Room Clean Inside of HVAC Unit Clean	Yes N/A
Fresh Air Intake Location Pollutant Sources Near Air Intake	Through exter Sandy playgro		▼ ▼	Fresh Air Intake Free of Obstruction	Yes

Observations

There is wet tackboard under and along the lower portion of the windows. Remove the back splash and the cabinet underneath the windows to assess for additional water damage. Insect and insect debris found in window groove. This is a kindergarten class and cubby holes are used to store students belongings - dust build up in visible. Formica top on sink cabinet is delaminating from the wood due to excess water ponding and spilling. HVAC filters need to be changed and the filter cover was on the floor allowing air to bypass the filters.

Corrective Actions to be Completed by Site Based Staff

Clean ceilings around HVAC supply grills	▼
Generate a work order for pest control	▼
Thoroughly clean horizontal surfaces	▼
Install new A/C filters and ensure proper installation	▼
and proper date	▼
Encourage occupant to reduce clutter	▼
Clean dust from wall surfaces	▼
	▼

Corrective Actions to be Completed by PPO

Evaluate and repair cause of water damage	▼
Remove and replace wall material as necessary	▼
Repair HVAC to reduce humidity level	▼
Clean HVAC supply drops	▼
Clean HVAC return drops	▼
Evaluate and repair water damage	▼
to sink cabinet and counter top	▼
see observations for additional details	▼