

managing risk with responsibility

Aston A. Henry, Supervisor Risk Management Department		Telephone: Fax:	754 321-1900 754 321-1917
March 4, 2013	Signature on File	For Custodial S	upervisor Use Only
TO:	Dr. Daphene Watson, Principal Park Ridge Elementary School		ues Addressed ues Not Addressed
FROM:	Robert Krickovich, Coordinator I, LEA Facilities & Construction		
SUBJECT:	Indoor Air Quality (IAQ) Assessment		

On February 15, 2013, I conducted an assessment at **Park Ridge 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, Task Assigned Chief Facilities & Construction Officer, Facilities & 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 & Construction Broward Teachers Union Federation of Public Employees

RK/tc Enc.

IAQ Assessment						
Park Ridge Elem	nentary Evaluation Dat	te February 15, 2013	Time of Day 1	0:30		
Outdoor Conditions Temperature	75.3 Relative	e Humidity 82.8	Ambient CO2 50	04		
Fish Temperature Range 116 69.4 72 - 78		Range CO ² % - 60% 738		2		
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected			
Ceiling2' X 4' Lay inWallsDrywallFloor12" x 12" Vinyl	Yes No No	No No No	3 stained tiles			
Ceiling Clean Yes Walls Clean Yes Flooring Clean Yes	HVAC Supply Grills Clean Inside of Supply Duct Clean	Yes	HVAC Return Grills Clean Inside of Return Duct Clean	Yes No		
Room Surfaces Yes Clean	Ceiling at Supply Grills Clean	Yes				
Trash RemovedYesSigns of PestsNoRoom ClutteredNo	Exhaust Fans Working Drain Traps Wet Food if Stored in Room is in Sealed Containers	N/A N/A N/A	Unapproved Chemicals / Cleaners in Room Air Fresheners in Room	No No		
Filters Installed Properly N/A	of Top (raining @ time of a Filters Clean	N/A	Mechanical Room Clean Inside of HVAC Unit Clean	N/A N/A		
Condensate Pan Clean N/A Fresh Air Intake Location Pollutant Sources Near Air Intake	Cooling Coil Clean	<u>N/A</u> ▼	Fresh Air Intake Free of Obstruction			
Observations Two ceiling tiles have circles drawn a and return grills dirty	around stain and marked 1	10/25/12, stain is large	r than marks - inside of su	pply		

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78 degrees ▼	Set temperature to 72 -
tained ceiling tiles	Evaluate and repair cause of s
eiling tiles 🛛 🔻	Remove and replace of
v drops ▼	Clean HVAC suppl
drops 🗸 🔻	Clean HVAC return
▼	
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IAQ Assessment						
Park Ridge Ele	ementary Evaluation Dat	te February 15, 2013	Time of Day	0:30		
Outdoor Conditions Temperatur	re 75.3 Relative	e Humidity 82.8	Ambient CO2 5	04		
FishTemperatureRange12970.872 - 78		Range CO 0% - 60% 847		ccupants 21		
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected			
Ceiling2' X 4' Lay inWallsPlasterFloor12" x 12" Vinyl	No No	No No				
Ceiling Clean Yes Walls Clean Yes Flooring Clean Yes	HVAC Supply Grills Clean Inside of Supply Duct Clean	Yes	HVAC Return Grills Clean Inside of Return Duct Clean	Yes		
Room Surfaces No	Ceiling at Supply Grills Clean	Yes		_		
Trash RemovedYesSigns of PestsNoRoom ClutteredYes	Exhaust Fans Working Drain Traps Wet Food if Stored in Room is in Sealed Containers	N/A N/A N/A	Unapproved Chemicals / Cleaners in Room Air Fresheners in Room	No		
Mechanical Equipment Location Ro	oof Top (raining @ time of a Filters Clean	assessment)	Mechanical Room Clean Inside of HVAC Unit Clean	N/A N/A		
Condensate Pan Clean N/A	Cooling Coil Clean	N/A				
Fresh Air Intake Location		▼ ▼	Fresh Air Intake Free of Obstruction			
Observations						
Heavy dust on elevated surfaces - r	oom cluttered					

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Confective Actions to be completed by 110	
Repair HVAC to reduce humidity level	▼
Clean HVAC supply drops	▼
Clean HVAC return drops	▼
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IAQ Assessment						
Park Ridge Ele	mentary Evaluation Dat	te February 15, 2013	3 Time of Day 1	0:30		
Outdoor Conditions Temperatur	e 75.3 Relative	e Humidity 82.8	Ambient CO2 5	04		
Fish Temperature Range 131 72.1 72 - 78		Range CC % - 60% 629		ccupants 2		
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected			
Ceiling2' X 4' Lay inWallsPlasterFloor12" x 12" Vinyl	No No	No No				
Ceiling Clean Yes Walls Clean Yes	HVAC Supply Grills Clean Inside of Supply	Yes	HVAC Return Grills Clean Inside of Return	Yes		
Flooring Clean Yes Room Surfaces Yes Clean	Duct Clean Ceiling at Supply Grills Clean	Yes	Duct Clean	No		
Trash RemovedYesSigns of PestsNoRoom ClutteredNo	Exhaust Fans Working Drain Traps Wet Food if Stored in Room is in Sealed Containers	N/A Yes N/A	Unapproved Chemicals / Cleaners in Room Air Fresheners in Room	No		
Mechanical Equipment Location Ro Filters Installed Properly N/A Condensate Pan Clean N/A	pof Top (raining @ time of a Filters Clean Cooling Coil Clean	nssessment)	Mechanical Room Clean Inside of HVAC Unit Clean	N/A N/A		
Fresh Air Intake Location		▼ ▼	Fresh Air Intake Free of Obstruction			
Observations Science lab - 8 sinks - traps leaking room second sink from door - inside			door - Trap leaking on left	side of		

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	confective Actions to be completed by FFO
•	Repair HVAC to reduce humidity level
	Replace leaking drain traps
•	See observations for location of sinks
•	Clean HVAC supply drops
•	Clean HVAC return drops
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IAQ Assessment					
Park Ridge Elem	entary Evaluation Dat	te February 15, 2013	Time of Day 1	0:30	
Outdoor Conditions Temperature	75.3 Relative	e Humidity 82.8	Ambient CO2 50	04	
Fish Temperature Range 133 73.7 72 - 78		Range CO ² % - 60% 632		ccupants 18	
Noticeable OdorNoCeiling2' X 4' Lay inWallsPlaster	Visible water damage / staining? No No	Visible microbial growth? No No	Amount of material affected		
Floor 12" x 12" Vinyl	No	No			
Ceiling Clean Yes Walls Clean Yes Flooring Clean Yes Room Surfaces Yes Clean	HVAC Supply Grills Clean Inside of Supply Duct Clean Ceiling at Supply Grills Clean	Yes Yes Yes	HVAC Return Grills Clean Inside of Return Duct Clean	No No	
Trash RemovedYesSigns of PestsNoRoom ClutteredNo	Exhaust Fans Working Drain Traps Wet Food if Stored in Room is in Sealed Containers	N/A Yes N/A	Unapproved Chemicals / Cleaners in Room Air Fresheners in Room	No No	
Mechanical Equipment Location Roo Filters Installed Properly N/A Condensate Pan Clean N/A	of Top (raining @ time of a Filters Clean Cooling Coil Clean	N/A	Mechanical Room Clean Inside of HVAC Unit Clean	N/A N/A	
Fresh Air Intake Location Pollutant Sources Near Air Intake		▼	Fresh Air Intake Free of Obstruction		
Observations Sink Cabinet water damaged - back s with microbial growth on soil - Inside				tation all	

Remove plants-Soil is a source of microbial growth	▼
Clean HVAC return grills with Wexcide	▼
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Repair cause of stained ceiling tiles in 133A	▼
Remove and replace ceiling tiles	▼
Repair HVAC to reduce humidity level	▼
Evaluate and repair sink cabinet as necessary	▼
Caulk sink back splash	▼
Clean HVAC supply drops	▼
Clean HVAC return drops	▼
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