

managing risk with responsibility

Aston A. Henry, Director	
Risk Management Departmen	t

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February 12,	, 2014 Signature on File	For Custodial Supervisor Use Only
TO:	Michael Breslaw, Principal Tradewinds Elementary School	Custodial Issues Addressed Custodial Issues Not Addressed
FROM:	Robert Krickovich, Coordinator I, LEA Risk Management Department	
SUBJECT:	Indoor Air Quality (IAQ) Assessment	

On January 31, 2014, I conducted an assessment at **Tradewinds 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: 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, Director, Risk Management Sonja Coley, Senior Project Manager, Facilities & Construction Broward Teachers Union Federation of Public Employees

RK/tc Enc.

IAQ Assessment			
Tradewinds	Elementary Evaluation Da	te January 31, 2014	<b>Time of Day</b> 12:00
Outdoor Conditions Tempera	ature 85.4 Relative	e Humidity 73.4	Ambient CO2 483
		Range         CO <sup>2</sup> % - 60%         495	Range# OccupantsMAX 700 >4Ambient
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Ceiling     2' X 4' Lay in       Walls     Drywall       Floor     12" x 12" Vinyl	Yes No	Yes	3 tiles All walls spotty
	No	No	
Ceiling Clean Yes	HVAC Supply Grills Clean	No	HVAC Return Grills Clean Yes
Walls CleanYesFlooring CleanYes	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	Exhaust Fans Working	Yes	Unapproved Chemicals / Cleaners in Room
Signs of Pests No	Drain Traps Wet	Yes	
Room Cluttered No	Food if Stored in Room is in Sealed Containers	N/A	Air Fresheners No in Room
Mechanical Equipment Location	Wall Mounted Unit		Mechanical Room Clean N/A
Filters Installed Properly Yes	Filters Clean	N/A	Inside of HVAC Unit Clean N/A
Condensate Pan Clean N/A	Cooling Coil Clean	N/A	
Fresh Air Intake Location Pollutant Sources Near Air	Outside of Unit	<b>▼</b>	Fresh Air Intake Free Yes
Intake	None	▼	
Observations 3 stained ceiling tiles with micro	hial arouth _ microhial arouth	a spotty on wells	
Thermostat fan set to ON positio			bed to 73.4%

## Corrective Actions to be Completed by Site Based Staff

▼
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▼
▼

## Corrective Actions to be Completed by PPO

Evaluate and repair cause of stained ceiling tiles	▼
Remove and replace stained ceiling tiles	▼
Repair HVAC to reduce humidity level	▼
Clean and paint all walls with anti-microbial paint	▼
	▼
	▼
Check HVAC in all modular units	▼
Fans continue to run when compressors shut off	

IAQ Assessment				
Tradewinds	Elementary Evaluation Dat	e January 31, 2014	Time of Day 1	2:00
Outdoor Conditions Temper	ature 85.4 Relative	Humidity 73.4	Ambient CO2 4	83
		Range         CO           % - 60%         531		ccupants 5
Noticeable Odor Yes	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling 2' X 4' Lay in	Yes	Yes	10 tiles at supply gri	ills
Walls Drywall	No	Yes	Spotty South wall	
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	Exhaust Fans Working	Yes	Unapproved Chemicals / Cleaners in Room	No
Signs of PestsNoRoom ClutteredNo	Drain Traps Wet Food if Stored in Room is in Sealed Containers	Yes N/A	Air Fresheners in Room	No
Mechanical Equipment Location	Wall Mounted Unit		Mechanical Room Clean	N/A
Filters Installed Properly Ye	s Filters Clean	N/A	Inside of HVAC Unit Clean	N/A
Condensate Pan Clean	Cooling Coil Clean	N/A		
Fresh Air Intake Location	Outside of Unit	▼	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	None	▼	or obstruction	
Observations				
Musty odor - microbial growth o spotty on walls - microbial grov board with microbial growth				

Thermostat fan set to ON position - when compressor shut off humidity in room climbed to 73.4%

Corrective Actions to be Completed by Site Based Staff

Relocate occupant to different classroom	▼
until repairs are completed	▼
	▼
	▼
	▼
	▼
	▼
	▼

## Corrective Actions to be Completed by PPO

Evaluate and repair cause of stained ceiling tiles	▼
Remove and replace stained ceiling tiles	▼
Replace restroom door	▼
Repair HVAC to reduce humidity level	▼
Clean and paint all walls with anti-microbial paint	▼
	▼
Check HVAC in all modular units	▼
Fans continue to run when compressors shut off	▼