

managing risk with responsibility

Aston A. Henry, Director Risk Management Department			Telephone: Fax:	754 321-1900 754 321-1917	
November 17, 2014		Signature on File	For Custodial Supervisor Use Only		
TO:	, , , , , , , , , , , , , , , , , , ,		Custodial Iss	ues Addressed	
	Lake Forest Elemer	tary School	Custodial Iss	ues Not Addressed	
FROM: Richard Rosa, P Risk Manageme		<u>e</u>			
CLIDIECT.					
SUBJECT:	Indoor Air Quality	(IAQ) ASSESSITIETI			

On November 10, 2014, I conducted an assessment at **Lake Forest 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, Executive Director, 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

RR/tc Enc.

Corrective Actions to be Completed by Site Based Staff

Corrective Actions to be Completed by Site based Stan				
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Corrective Actions to be Completed by PPO

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IAQ Assessment

Lake Forest El	ementary Evaluation Dat	e November 10, 2014	Time of Day1	0:00
Outdoor Conditions Temperatu	re 78.6 Relative	Humidity 75.8	Ambient CO2 4	66
Fish Temperature Range P-512C 72.6 72 - 72.6		Range <u>co</u> % - 60% 558		ccupants
Noticeable Odor No Ceiling 2' X 4' Lay in Walls Homasote Floor 12" x 12" Vinyl	Visible water damage / staining? Yes Yes No	Visible microbial growth? No Yes No	Amount of material affected 2 ceiling tiles < 1 sq ft	
Ceiling Clean No Walls Clean No Flooring Clean No Room Surfaces No Clean	HVAC Supply Grills Clean Inside of Supply Duct Clean Ceiling at Supply Grills Clean	No N/A Yes	HVAC Return Grills Clean Inside of Return Duct Clean	No N/A
Trash Removed N/A Signs of Pests No Room Cluttered No	Exhaust Fans Working Drain Traps Wet Food if Stored in Room is in Sealed Containers	N/A N/A	Unapproved Chemicals / Cleaners in Room Air Fresheners in Room	No No
Mechanical Equipment Location Filters Installed Properly Condensate Pan Clean N/A	Vindow unit Filters Clean Cooling Coil Clean	No No	Mechanical Room Clean Inside of HVAC Unit Clean	N/A No
Pollutant Sources Near Air	Vindow unit	▼	Fresh Air Intake Free of Obstruction	Yes
Observations				
unoccupied at time of assessment Ceiling tile stains are due to Windo combined with cool temperatures	ow HVAC units that blow onto			est

Ceiling tile stains are due to Window HVAC units that blow onto ceiling grid with warm air above drop ceiling combined with cool temperatures on metal ceiling grid, hence the condensation. The wall stain is under the West HVAC unit, repair cause of water intrusion and replace wall panel. There is a rolled up rug in the classroom, if not going to be used, relocate rug. Microbial growth is visible on both HVAC window unit grills.

Corrective Actions to be Completed by Site Based Staff

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Corrective Actions to be Completed by PPO

Contestive Actions to be completed by 11 C			
valuate the cause of wall staining, repair/replace	▼		
wall material as necessary			
Repair HVAC to reduce humidity level	▼		
Clean both window unit coils	▼		
	▼		
	▼		
See observations for additional information	▼		
	▼		