

Aston A. Henry, Director
Risk Management Department

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April 24, 2014

Signature on File

TO: Matthew Whaley, Principal
Meadowbrook Elementary School

FROM: Richard Rosa, Project Manager
Risk Management Department

SUBJECT: Indoor Air Quality (IAQ) Assessment

<u>For Custodial Supervisor Use Only</u>	
<input type="checkbox"/>	Custodial Issues Addressed
<input type="checkbox"/>	Custodial Issues Not Addressed

On March 25, 2014, I conducted an assessment at **Meadowbrook 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

RR/tc
Enc.

IAQ Assessment

Meadowbrook Elementary

Evaluation Date

Time of Day

Outdoor Conditions Temperature

Relative Humidity

Ambient CO2

Fish	Temperature	Range	Relative Humidity	Range	CO ²	Range	# Occupants
<input type="text" value="P-545C"/>	<input type="text" value="70.7"/>	<input type="text" value="72 - 78"/>	<input type="text" value="63.5"/>	<input type="text" value="30% - 60%"/>	<input type="text" value="435"/>	<input type="text" value="MAX 700 > Ambient"/>	<input type="text" value=""/>
Noticeable Odor		<input type="text" value="No"/>	Visible water damage / staining?		Visible microbial growth?		Amount of material affected
Ceiling	<input type="text" value="2' X 4' Lay in"/>		<input type="text" value="Yes"/>		<input type="text" value="No"/>		<input type="text" value="2 tiles < 1 sq ft"/>
Walls	<input type="text" value="Drywall"/>		<input type="text" value="Yes"/>		<input type="text" value="No"/>		<input type="text" value="70 sq ft"/>
Floor	<input 12"="" type="text" value="12" vinyl"="" x=""/>		<input type="text" value="No"/>		<input type="text" value="No"/>		<input type="text" value=""/>

Ceiling Clean	<input type="text" value="No"/>	HVAC Supply Grills Clean	<input type="text" value="No"/>	HVAC Return Grills Clean	<input type="text" value="No"/>
Walls Clean	<input type="text" value="No"/>	Inside of Supply Duct Clean	<input type="text" value="N/A"/>	Inside of Return Duct Clean	<input type="text" value="N/A"/>
Flooring Clean	<input type="text" value="Yes"/>	Ceiling at Supply Grills Clean	<input type="text" value="N/a"/>		
Room Surfaces Clean	<input type="text" value="No"/>				

Trash Removed	<input type="text" value="Yes"/>	Exhaust Fans Working	<input type="text" value="N/A"/>	Unapproved Chemicals / Cleaners in Room	<input type="text" value="No"/>
Signs of Pests	<input type="text" value="No"/>	Drain Traps Wet	<input type="text" value="N/A"/>	Air Fresheners in Room	<input type="text" value="No"/>
Room Cluttered	<input type="text" value="No"/>	Food if Stored in Room is in Sealed Containers	<input type="text" value="N/A"/>		

Mechanical Equipment Location	<input type="text" value="Window unit"/>			Mechanical Room Clean	<input type="text" value="N/A"/>
Filters Installed Properly	<input type="text" value="Yes"/>	Filters Clean	<input type="text" value="No"/>	Inside of HVAC Unit Clean	<input type="text" value="N/A"/>
Condensate Pan Clean	<input type="text" value="N/A"/>	Cooling Coil Clean	<input type="text" value="No"/>		

Fresh Air Intake Location	<input type="text" value="Window unit"/>	Fresh Air Intake Free of Obstruction	<input type="text" value="Yes"/>
Pollutant Sources Near Air Intake	<input type="text" value="Grass and landscape"/>		

Observations

Replace water damaged wall board, approx. 70 sq ft. under the West HVAC window unit; Remove marker board and evaluate the extent of water damage. The moisture meter observed wet wall material around the Northwest corner, two feet on north wall and 8 feet on west wall. Window unit condensate drain is the possible cause of water intrusion. Clean both coils. Monitor the temperature in classroom, keep thermostat between 72 -78 degrees. Wipe down South door with Wexcide.

Corrective Actions to be Completed by Site Based Staff

Replace stained ceiling tiles by lights	▼
Thoroughly clean elevated surfaces	▼
Remove and replace A/C filters	▼
Monitor thermostat in room 72 - 78 degrees	▼
Wipe down door stain and monitor	▼
Vacuum/wexcide both window unit grills	▼
	▼
	▼

Corrective Actions to be Completed by PPO

Repair HVAC to reduce Humidity levels	▼
Evaluate and repair cause of water damage	▼
Remove and replace wall material as necessary	▼
Clean both window unit coils	▼
Evaluate the weather stripping for both doors	▼
	▼
See observations for additional information	▼
	▼