

Aston A. Henry, Director
Risk Management Department

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October 7, 2014

Signature on File

TO: Amada Walker, Principal
Silver Palms 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 October 3, 2014, I conducted an assessment at **Silver Palms 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.

IAQ Assessment

Silver Palms Elementary

Evaluation Date October 3, 2014

Time of Day 1:45

Outdoor Conditions Temperature 82.9 Relative Humidity 82.3 Ambient CO2 466

Fish	Temperature	Range	Relative Humidity	Range	CO ²	Range	# Occupants
120	73.9	72 - 78	47	30% - 60%	1294	MAX 700 > Ambient	22
Noticeable Odor		Visible water damage / staining?		Visible microbial growth?		Amount of material affected	
No		Yes		No		< 1 sq ft	
Ceiling	2' X 4' Lay in		Yes	No			
Walls	Drywall		No	No			
Floor	12" x 12" Vinyl		No	No			

Ceiling Clean	No	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Walls Clean	Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	Yes
Flooring Clean	Yes	Ceiling at Supply Grills Clean	No		
Room Surfaces Clean	No				

Trash Removed	Yes	Exhaust Fans Working	Yes	Unapproved Chemicals / Cleaners in Room	No
Signs of Pests	Yes	Drain Traps Wet	N/A	Air Fresheners in Room	No
Room Cluttered	No	Food if Stored in Room is in Sealed Containers	N/A		

Mechanical Equipment Location	FISH 196	Mechanical Room Clean	Yes
Filters Installed Properly	Yes	Filters Clean	Yes
Condensate Pan Clean	Yes	Cooling Coil Clean	Yes
		Inside of HVAC Unit Clean	Yes

Fresh Air Intake Location	Roof top ▼	Fresh Air Intake Free of Obstruction	Yes
Pollutant Sources Near Air Intake	Rodents ▼		

Observations

Cause of stained ceilings are due to either ongoing roofing issues, fire sprinkler leaks or HVAC lines above the drop ceiling. I was told by the instructor that a few rooms were closed down last week due to the smell of a dead rat above the drop ceiling. Repair drywall and back splash by windows, evaluate cause of damage.

Corrective Actions to be Completed by Site Based Staff

Replace stained ceiling tiles after repairs	▼
Clean ceilings around HVAC supply grills	▼
Thoroughly clean horizontal surfaces	▼
	▼
	▼
	▼
	▼
	▼

Corrective Actions to be Completed by PPO

Evaluate and repair cause of stained ceiling tiles	▼
Evaluate cause of water damage by windows interior and exterior	▼
Remove and replace wall material as necessary	▼
	▼
	▼
	▼
	▼

