

managing risk with responsibility

Aston A. Henry, Supervisor Telephone: 754 321-1900 Fax: 754 321-1917

Signature on File

TO:

Chris Carney, Principal

Bennett Elementary School

FROM:

Robert Krickovich, Coordinator I, LEA Facilities Design and Construction

SUBJECT:

Indoor Air Quality (IAQ) Assessment

Fo	r Custodial Supervisor Use Only
	Custodial Issues Addressed
	Custodial Issues Not Addressed

On July 24, 2012, I conducted an assessment at **Bennett 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, Executive Director, Facilities Design and 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, Project Manager III, Facilities Design and Construction
Broward Teachers Union
Federation of Public Employees

RK/tc Enc.

IAQ Assessment

Bennett Elementar	<u>y</u> Evaluation Dat	July 24, 2012	Time of Day 2:45	
Outdoor Conditions Temperature	90.5 Relative	Humidity 62.2	Ambient CO2 417]
Fish Temperature Range 211 71.7 72 - 78		Range <u>CO</u> % - 60 % 461		ants
Noticeable Odor No Vis	ible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling 2' X 4' Lay in	No	No		\Box
Walls Plaster	No	No		
Floor 12" x 12" Vinyl	No	No		
Ceiling Clean Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	'a
Walls Clean Yes Flooring Clean Yes	Inside of Supply Duct Clean	N/A	Inside of Return Duct Clean	Α
Room Surfaces Yes Clean	Ceiling at Supply Grills Clean	N/a		
	xhaust Fans Working	N/A	Unapproved Chemicals / Cleaners in Room	0
Signs of Pests No	Drain Traps Wet	N/A	Air Fresheners No	_
itooni olattoroa ito	d if Stored in Room is ealed Containers	N/A	in Room	<u>. </u>
Mechanical Equipment Location Floor Mo	unted Fan Coil in Ro	om	Mechanical Room Clean N/	Α
Filters Installed Properly No	Filters Clean	N/A	Inside of HVAC Unit Clean N/	Α
Condensate Pan Clean N/A	Cooling Coil Clean	N/A		
Fresh Air Intake Location Outside	of Unit	▼	Fresh Air Intake Free of Obstruction	s
Pollutant Sources Near Air Intake		▼		
Observations				
Complaint that walls in building are drippi Wood floor under tile is wet.	ng wet every morning	g - Filters do not stay	in unit - falling out - taped in -	
Corrective Actions to be Completed by Si	te Based Staff		ons to be Completed by PPO	
	 		nit so filters stay in place	┩
	 		Indensation every morning	╬
	 		and replace as necessary	╈
			f water intrusion in floor	┪
	▼			▼
	▼			▼
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IAQ Assessment

Bennett El	lementary Evaluation	Date July 24, 2012	Time of Day 2:45
Outdoor Conditions Temperatu	ure 90.5 Rela	tive Humidity 62.2	Ambient CO2 417
Fish Temperature Range 212 78.0 72 - 72	_ 	Range CO ² 30% - 60% 467	
Noticeable Odor Yes	Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Ceiling 2' X 4' Lay in	No	No	
Walls Plaster	No	No	
Floor 12" x 12" Vinyl	No	No	
Ceiling Clean Yes	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean
Walls Clean Yes Flooring Clean Yes	Inside of Supply Duct Clean	y N/A	Inside of Return Duct Clean
Room Surfaces Yes Clean	Ceiling at Supp Grills Clean	ly N/a	
Trash Removed Yes	Exhaust Fans Workin		Unapproved Chemicals / Cleaners in Room
Signs of Pests No Room Cluttered No	Drain Traps W Food if Stored in Room	uis —	Air Fresheners No
Noom ofuttered 140	in Sealed Containers	N/A	in Room
Mechanical Equipment Location	Floor Mounted Fan Coil in	Room	Mechanical Room Clean N/A
Filters Installed Properly No	Filters Clea		Inside of HVAC Unit Clean N/A
Condensate Pan Clean N/A	Cooling Coil Clea	n N/A	
Fresh Air Intake Location	Outside of Unit	▼	Fresh Air Intake Free of Obstruction
Pollutant Sources Near Air Intake	None	▼	or obstruction
Observations			
Complaint that walls in building ar in - Wood floor under tile is wet - F to repair window) - Musty Odor - H	Plexi glass in window bow	red out allowing untreated	d air into room (J555586 called in
, , ,			
Corrective Actions to be Complete	ed by Site Based Staff		ons to be Completed by PPO
	▼	· ·	o reduce humidity level it so filters stay in place ▼
	▼		ontrols and fan interlock
	▼		Indensation every morning ▼
	▼		and replace as necessary ▼
	▼		f water intrusion in floor
	▼	Repair wa	ater damaged wall ▼
	▼	Expedite work o	order J555586 for window ▼

IAQ Assessment

Bennett Elementary E	/aluation Da	ate July 24	1, 2012	Time of Day 2	:45
Outdoor Conditions Temperature 90.5	Relativ	e Humidity	62.2	Ambient CO2 41	7
Fish Temperature Range Relative H 213 69.8 72 - 78 56.3	i	Range 0% - 60%	CO ² 470	Range # Oc MAX 700 > Ambient	cupants 2
Noticeable Odor No Visible water stainin		Visible mid growt		Amount of material affected	
Ceiling 2' X 4' Lay in No]	No			
Walls Plaster No]	No			
Floor 12" x 12" Vinyl No]	No			
Ceiling Clean Yes HVAC Grills (Supply Clean	Yes		HVAC Return Grills Clean	N/a
	of Supply lean	N/A		Inside of Return Duct Clean	N/A
Room Surfaces Yes Ceiling Clean Grills	g at Supply Clean	N/a			
Trash Removed Yes Exhaust Far	_	N/A		Unapproved Chemicals / Cleaners in Room	No
<u> </u>	Traps Wet			Air Fresheners	No
Room Cluttered No Food if Stored in Sealed Con		N/A		in Room	
Mechanical Equipment Location Floor Mounted Fa	n Coil in R	oom		Mechanical Room Clean	N/A
Filters Installed Properly No Fil	ters Clean	N/A		Inside of HVAC Unit Clean	N/A
Condensate Pan Clean N/A Cooling	Coil Clean	N/A			
Fresh Air Intake Location Outside of Unit			▼	Fresh Air Intake Free	Yes
Pollutant Sources Near Air Intake	None ▼			of Obstruction	
Observations					
Complaint that walls in building are dripping wet ev Wood floor under tile is wet.	ery mornii	ng - Filters do	not stay i	n unit - falling out - taped	in
Corrective Actions to be Completed by Site Based	Staff	Correc	tive Actio	ns to be Completed by PP	 o
• •	▼	Repair	HVAC un	it so filters stay in place	▼
	▼			ntrols and fan interlock ndensation every morning	▼
	▼			nd replace as necessary	▼
	▼			water intrusion in floor	▼
	▼				▼
	▼				▼