

Aston A. Henry, Supervisor Risk Management Department

managing risk with responsibility

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August 24, 2	012 Signature of	For Custodial Supervisor Use Only
TO:	Kathy Marlow, Principal Seminole Middle School	Custodial Issues Addressed Custodial Issues Not Addressed
FROM:	Richard Rosa, Project Manager Facilities Design and Construction	
SUBJECT:	Indoor Air Quality (IAQ) Assessme	t

On August 14, 2012, I conducted an assessment at **Seminole Middle 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, Senior Project Manager, Facilities Design and Construction Broward Teachers Union Federation of Public Employees

RR/tc Enc.

	L	AQ Assessme	nt		
	Seminole Middle	Evaluation Date	August 14, 2012	Time of Day	2:30
Outdoor Conditions Te	mperature 89.7	Relative Hu	midity 58.8	Ambient CO2	19
FishTemperature12073.2	, ····· j ·	Humidity Ran	440		ccupants
Noticeable OdorNoticeableCeiling2' x 4'WallsDrywallFloor12" x 12" Viny	stair	ing?	Visible microbial growth? No No No	Amount of material affected	
Ceiling CleanNoWalls CleanYesFlooring CleanYesRoom SurfacesNoCleanYes	Grill Insia Duc Ceili		Yes Yes No	HVAC Return Grills Clean Inside of Return Duct Clean	Yes
Trash RemovedYesSigns of PestsNoRoom ClutteredNo] Dra	ain Traps Wet	N/A N/A N/A	Unapproved Chemicals / Cleaners in Room Air Fresheners in Room	No No
Mechanical Equipment Loc Filters Installed Properly Condensate Pan Clean	N/A		N/A N/A	Mechanical Room Clean Inside of HVAC Unit Clean	N/A N/A
Fresh Air Intake Location Pollutant Sources Near Air Intake Observations	Roof top Not Accessible		▼	Fresh Air Intake Free of Obstruction	N/A

Corrective Actions to be Completed by Site Based Staff

Thoroughly clean elevated surfaces	▼
Clean ceilings around HVAC supply grills	▼
Continue to monitor and wipe surfaces w/ wexcide	▼
	▼
	▼
	▼
	▼
	▼

Repair HVAC to reduce humidity level	▼
	▼
	▼
	▼
Work order EQ07382 generated 8-14-12	▼
	▼
	▼

	IAQ	Assessment			
	Seminole Middle Eval	uation Date Augu	ıst 14, 2012	Time of Day	1:15
Outdoor Conditions Te	mperature 89.7	Relative Humidity	58.8	Ambient CO2	19
FishTemperature12975.2	RangeRelative Hun72 - 7875.9	nidity Range	CO ² 436	Range # O MAX 700 > [Ambient	ccupants
Noticeable OdorNoticeableCeiling2' x 4'WallsDrywallFloor12" x 12" Viny	staining?		microbial pwth? No No No	Amount of material affected	
Ceiling CleanNoWalls CleanYesFlooring CleanYesRoom SurfacesNoCleanYes	HVAC Su Grills Cle Inside of Duct Cle Ceiling a Grills Cle	Supply an Yes t Supply		HVAC Return Grills Clean Inside of Return Duct Clean	Yes Yes
Trash RemovedYesSigns of PestsNoRoom ClutteredNo	Exhaust Fans Drain T Food if Stored ir in Sealed Contai	raps Wet N/A		Unapproved Chemicals / Cleaners in Room Air Fresheners in Room	No No
Mechanical Equipment Loc Filters Installed Properly Condensate Pan Clean	· · · · · · · · · · · · · · · · · · ·	rs Clean N/A bil Clean N/A		Mechanical Room Clean	N/A N/A
Fresh Air Intake Location Pollutant Sources Near Air Intake Observations	Roof top Not Accessible		▼ ▼	Fresh Air Intake Free of Obstruction	N/A

Corrective Actions to be Completed by Site Based Staff

Thoroughly clean elevated surfaces	▼
Clean ceilings around HVAC supply grills	▼
Continue to monitor and wipe surfaces w/ wexcide	▼
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	▼
	▼
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Repair HVAC to reduce humidity level	▼
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Work order EQ07382 generated 8-14-12	▼
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	IAQ	Assessment			
	Seminole Middle Eva	luation Date Aug	ust 14, 2012	Time of Day	1:15
Outdoor Conditions Te	mperature 89.7	Relative Humidity	y 58.8	Ambient CO2	19
FishTemperature13175.1	RangeRelative Hur72 - 7874.7	nidity Range 30% - 60%	CO ² 425	Range # O MAX 700 > [Ambient	ccupants
Noticeable OdorNoCeiling2' x 4'WallsDrywallFloor12" x 12" Viny	staining?	inage/	e microbial owth? No No No	Amount of material affected	
Ceiling CleanNoWalls CleanYesFlooring CleanYesRoom SurfacesNoCleanYes	HVAC So Grills Clo Inside of Duct Cle Ceiling a Grills Clo	ean Yes Supply Yes an Yes		HVAC Return Grills Clean Inside of Return Duct Clean	Yes Yes
Trash RemovedYesSigns of PestsNoRoom ClutteredNo	Exhaust Fans Drain T Food if Stored ir in Sealed Contai	raps Wet N/A		Unapproved Chemicals / Cleaners in Room Air Fresheners in Room	No No
Mechanical Equipment Loc Filters Installed Properly Condensate Pan Clean		rs Clean N/A oil Clean N/A		Mechanical Room Clean Inside of HVAC Unit Clean	N/A N/A
Fresh Air Intake Location Pollutant Sources Near Air Intake Observations	Roof top Not Accessible		▼	Fresh Air Intake Free of Obstruction	N/A

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Repair HVAC to reduce humidity level	▼
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Work order EQ07382 generated 8-14-12	▼
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	IAQ Assess	ment		
Se	minole Middle Evaluation Dat	te August 14, 2012	Time of Day	1:30
Outdoor Conditions Tempe	erature 89.7 Relative	e Humidity 58.8	Ambient CO2 4	19
		Range CO ² % - 60% 446	Range # Oo MAX 700 > Ambient	ccupants
Noticeable OdorNoCeiling2' x 4'WallsDrywallFloor12" x 12" Vinyl	Visible water damage / staining? No No No	Visible microbial growth? No No No	Amount of material affected	
Ceiling CleanNoWalls CleanYesFlooring CleanYesRoom SurfacesNoCleanYes	HVAC Supply Grills Clean Inside of Supply Duct Clean Ceiling at Supply Grills Clean	Yes Yes No	HVAC Return Grills Clean Inside of Return Duct Clean	Yes
Trash RemovedYesSigns of PestsNoRoom ClutteredNo	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
	n Roof Top /A Filters Clean /A Cooling Coil Clean	N/A N/A	Mechanical Room Clean Inside of HVAC Unit Clean	N/A N/A
Fresh Air Intake Location Pollutant Sources Near Air Intake Observations	Roof top Not Accessible	▼	Fresh Air Intake Free of Obstruction	N/A

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Repair HVAC to reduce humidity level	▼
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Work order EQ07382 generated 8-14-12	▼
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