

managing risk with responsibility

Aston A. Henry, Director Risk Management Department			Гelephone: Fax:	754 321-1900 754 321-1917	
March 23, 201	5 Signature on File	<u>For</u>	r Custodial S	upervisor Use Only	
TO:	Maria Formoso, Principal Miramar High			ues Addressed ues Not Addressed	
FROM:	Richard Rosa, Project Manger Risk Management Department				
SUBJECT:	Indoor Air Quality (IAQ) Assessment				

On March 20, 2015, I conducted an assessment at **Miramar High 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 754-321-1900.

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/jj Enc.

IAQ Assessment

Mir	ramar High Evaluation Da	te March 20, 2015	Time of Day 12:00 PM
Outdoor Conditions Temperat	ture 75.1 Relative	e Humidity 74.5	Ambient CO2 455
Fish Temperature Rar 106 69.9 72 -		Range <u>CO</u> ² % - 60% 701	Range # Occupants MAX 700 > Ambient
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected
Ceiling Plaster	Yes	Yes	125 sq ft
Walls Ceramic Tile	No	No	
Floor Quarry Tile	No	No	
Ceiling Clean No Walls Clean Yes	HVAC Supply Grills Clean	No	HVAC Return Grills Clean Yes
Flooring Clean Yes	Inside of Supply Duct Clean	No	Inside of Return Duct Clean N/A
Room Surfaces Yes Clean	Ceiling at Supply Grills Clean	No	
Trash Removed N/A	Exhaust Fans Working	Yes	Unapproved Chemicals / Cleaners in Room
Signs of Pests No	Drain Traps Wet	No	Air Fresheners
Room Cluttered No	Food if Stored in Room is in Sealed Containers	N/A	in Room
Mechanical Equipment Location	FISH 107		Mechanical Room Clean N/A
Filters Installed Properly Yes	Filters Clean	Yes	nside of HVAC Unit Clean N/A
Condensate Pan Clean N/A	Cooling Coil Clean	No	
Fresh Air Intake Location	Window unit	▼	Fresh Air Intake Free
Pollutant Sources Near Air Intake	No	▼	of Obstruction
Observations			
106 is a boys restroom. Custodia returns.	staff states they wipe the ce	iling down with wexcide	and the microbial growth
Corrective Actions to be Comple	ted by Site Based Staff	Corrective Action	s to be Completed by PPO
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Evaluate fresh damper in the mechanical room	▼
Set Temperature to 72 - 78 degrees	▼
Repair HVAC to Reduce Humidity Levels	•
Repair/replace/paint ceiling when HVAC repairs	▼
are complete	•
Evaluate restroom exhaust fan damper for	•
proper operation	•
	▼

▼

▼

Thoroughly clean horizontal surfaces	▼
	▼
	▼
	▼
	▼
	▼
	▼
	▼

Clean HVAC supply grills and drops	▼
Evaluate and clean return drop if necessary	▼
Special ceiling tile cuts needed	▼
Repair leak from above drop ceiling HVAC system	▼
Repair water damaged plaster in sofit not the dome	•
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	▼
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IAQ Assessment

	Miramar High	Evaluation Da	te March 2	20, 2015	Time of Day 1	0:00 AM
Outdoor Conditions Temp	perature 75.1	Relative	e Humidity	74.5	Ambient CO2	455
Fish Temperature 1384C 73.9		 i	Range % - 60%	CO ² 516	Range # MAX 700 > Ambient	Occupants
Noticeable Odor Yes Ceiling 2' X 4' Lay in		ter damage / ning?	Visible mid growt No	h?	Amount of material affected	ı
Walls Metal/drywall Floor 12" x 12" Vinyl	No.	_	No No			
Ceiling Clean Walls Clean Flooring Clean Room Surfaces Clean	Grill Insi Duc Ceil	AC Supply Is Clean de of Supply It Clean ling at Supply Is Clean	No Yes Yes		HVAC Return Grills Clean Inside of Return Duct Clean	Yes
Trash Removed Yes Signs of Pests No Room Cluttered No	Dra	Fans Working ain Traps Wet red in Room is ontainers	No N/A		Jnapproved Chemicals Cleaners in Room Air Fresheners in Room	
	N/A	system in cla Filters Clean ng Coil Clean	N/A N/A		Mechanical Room Clear	
Fresh Air Intake Location Pollutant Sources Near Air Intake	Behind Bard un	it/Exterior wa	II	▼	Fresh Air Intake Free of Obstruction	Yes
Observations 1384C is a portable						
Corrective Actions to be Cor	mpleted by Site Base	ed Staff	Correc	tive Actions	to be Completed by	PPO
Clean dust from	wall surfaces		Repair	HVAC to Re	duce Humidity Level	s ▼
Floor needs sweeping	ng in tight spots				ing of the HVAC coil	
Clean dust buildup on		▼			essor for normal ope	
Vacuum/wipe		▼	HVAC f	an appeared	to be running witho	ut ▼
Clean HVAC supply g	rills with Wexcide	▼			pressor	▼
		▼	Re	pair the rest	room exhaust fan	▼