

managing risk with responsibility

Aston A. Henry, Director
Risk Management Department

September 16, 2013

TO:

FROM:

SUBJECT:

Telephone: 754 321-1900 Fax: 754 321-1917

013	Signature on File	For Custodial Supervisor Use Only
Michael Consau Pioneer Middle	1	Custodial Issues Addressed Custodial Issues Not Addressed
Richard Rosa, P Risk Manageme		
Indoor Air Qual	ity (IAQ) Assessment	

On September 10, 2013, I conducted an assessment at Pioneer 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.

Shelley Meloni, Task Assigned Chief Facilities & Construction Officer, Facilities & Construction cc: 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 Assess	sment		
Pio	neer Middle Evaluation Da	ate September 10, 2013	Time of Day	1:00
Outdoor Conditions Tempera	ature 86.3 Relativ	ve Humidity 75.2	Ambient CO2 4	55
	IngeRelative Humidity- 7836.536.5	Range CO ² 0% - 60% 1677	Range # Oc MAX 700 > Ambient	ccupants 12
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling2' x 4'WallsFolding/drywallFloor12" x 12" Vinyl	No No No	No No		
Ceiling Clean Yes Walls Clean Yes	HVAC Supply Grills Clean Inside of Supply	Yes	HVAC Return Grills Clean Inside of Return	Yes
Flooring Clean Yes Room Surfaces No Clean	Duct Clean Ceiling at Supply Grills Clean	Yes	Duct Clean	No
Trash Removed Yes Signs of Pests No	Exhaust Fans Working Drain Traps Wet	N/A N/A	Unapproved Chemicals / Cleaners in Room	No
Room Cluttered No	Food if Stored in Room is in Sealed Containers		Air Fresheners in Room	No
Mechanical Equipment Location	FISH 142A		Mechanical Room Clean	Yes
Filters Installed Properly Yes	-		Inside of HVAC Unit Clean	Yes
Condensate Pan Clean Yes	Cooling Coil Clean	Yes		
Fresh Air Intake Location	Roof top	▼	Fresh Air Intake Free of Obstruction	No
Pollutant Sources Near Air Intake	No	▼		
Observations Check the fresh air damper for n (142A).	ormal operation due to elevat	ted CO2. Remove storag	e from the mechanical ro	om

Thoroughly clean horizontal surfaces	▼
Clean surfaces in mechanical room	▼
and remove storage	▼
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Repair HVAC to reduce CO2 level	▼
Clean HVAC return drops	▼
luate fresh damper in the mechanical room	▼
Clean HVAC return duct work in 142A	▼
aluate the exterior door weather stripping	▼
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	▼

	IAQ Assess	sment		
Pio	neer Middle Evaluation Da	ate September 10, 2013	Time of Day 2	2:30
Outdoor Conditions Tempera	ature 86.3 Relativ	ve Humidity 75.2	Ambient CO2	55
	IngeRelative Humidity- 7847.030	Range CO ² 0% - 60% 1790		cupants 12
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling2' x 4'WallsFolding/drywallFloor12" x 12" Vinyl	No No No	No No		
Ceiling Clean Yes Walls Clean Yes Flooring Clean Yes	HVAC Supply Grills Clean Inside of Supply Duct Clean	Yes	HVAC Return Grills Clean Inside of Return	Yes
Flooring Clean Yes Room Surfaces No Clean	Duct Clean Ceiling at Supply Grills Clean	Yes	Duct Clean	<u> </u>
Trash RemovedYesSigns of PestsNo	Exhaust Fans Working Drain Traps Wet	N/A N/A	Unapproved Chemicals / Cleaners in Room	No
Room Cluttered No	Food if Stored in Room is in Sealed Containers	N/A	Air Fresheners in Room	No
Mechanical Equipment Location	FISH 142A		Mechanical Room Clean	Yes
Filters Installed Properly Yes	Filters Clean	Yes	Inside of HVAC Unit Clean	Yes
Condensate Pan Clean Yes	Cooling Coil Clean	Yes		
Fresh Air Intake Location	Roof top	▼	Fresh Air Intake Free of Obstruction	No
Pollutant Sources Near Air Intake	No	▼		
Observations				
Check the fresh air damper for n (142A).	ormal operation due to elevat	ed CO2. Remove storag	e from the mechanical ro	om

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CO2 level	Repair HVAC to red
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	IAQ Assess	sment		
Pio	neer Middle Evaluation D	Pate September 10, 2013	Time of Day 12	2:30
Outdoor Conditions Tempera	ature 86.3 Relativ	ve Humidity 75.2	Ambient CO2 4	55
	angeRelative Humidity2 - 7848.130	Range CO ² 0% - 60% 1907		ccupants 14
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling2' x 4'WallsFolding/drywallFloor12" x 12" Vinyl	No No No No	No No No		
Ceiling Clean Yes Walls Clean Yes	HVAC Supply Grills Clean Inside of Supply	Yes	HVAC Return Grills Clean Inside of Return	Yes
Flooring Clean Yes Room Surfaces No Clean	Duct Clean Ceiling at Supply Grills Clean		Duct Clean	
Trash Removed Yes Signs of Pests No	Exhaust Fans Working Drain Traps Wet		Unapproved Chemicals / Cleaners in Room	No
Room Cluttered No	Food if Stored in Room is in Sealed Containers		Air Fresheners in Room	No
Mechanical Equipment Location	FISH 142A		Mechanical Room Clean	Yes
Filters Installed Properly Yes			Inside of HVAC Unit Clean	Yes
Condensate Pan Clean Yes	Cooling Coil Clean	Yes		
Fresh Air Intake Location	Roof top	▼	Fresh Air Intake Free of Obstruction	No
Pollutant Sources Near Air Intake	Νο	V	010551101101	
Observations Check the fresh air damper for n	ormal operation due to eleva	tod CO2 Remove storad	is from the mechanical ro	
(142A).				

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CO2 level	Repair HVAC to red
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echanical room	Evaluate fresh damper in t
ork in 142A 🛛 🔻	Clean HVAC return du
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	IAQ Assessi	ment		
Pioneer	Middle Evaluation Dat	te September 10, 2013	3 Time of Day	2:00
Outdoor Conditions Temperature	e 86.3 Relative	e Humidity 75.2	Ambient CO2 4	55
Fish Temperature Range 171 74.8 72 - 78		Range CO ² % - 60% 1765		ccupants 0
Noticeable OdorNoCeiling2' x 4'WallsFolding/drywall	Visible water damage / staining? No No	Visible microbial growth? No No	Amount of material affected	
Floor 12" x 12" Vinyl	No	No		
Ceiling Clean No Walls Clean Yes Flooring Clean Yes Room Surfaces No Clean	HVAC Supply Grills Clean Inside of Supply Duct Clean Ceiling at Supply Grills Clean	Yes Yes Yes	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
Mechanical Equipment Location FIS Filters Installed Properly Yes Condensate Pan Clean Yes	SH 170A Filters Clean Cooling Coil Clean	Yes Yes	Mechanical Room Clean Inside of HVAC Unit Clean	Yes Yes
Fresh Air Intake Location Ro Pollutant Sources Near Air No Intake	oof top	▼	Fresh Air Intake Free of Obstruction	No
Observations	tive stained coiling tiles. Th	e freeh eir damper in	the mechanical room ann	care to
There appears to be painted non act be completely rusted shut.				

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Repair fresh damper in the mechanical room	▼
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