

# managing risk with responsibility

Aston A. Henry, Director Risk Management Department		Telephone: 754 321-1900 Fax: 754 321-1917	
January 26, 2	2015 Signature on File	For Custodial Supervisor Use Only	
TO:	Deborah Owens, Principal Stranahan High	Custodial Issues Addressed	
		Custodial Issues Not Addressed	
FROM:	Richard Rosa, Project Manager Risk Management Department		_
SUBJECT:	Indoor Air Quality (IAQ) Assessment		Ē,

On January 15, 2015, I conducted an assessment at **Stranahan High**. 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.

## **Corrective Actions to be Completed by Site Based Staff**

Completed by Chicago	
Replace stained ceiling tiles after repairs	▼
Vacuum/wipe return grill	▼
	▼
	▼
	▼
	▼
	▼
	▼

Our course Actions to be completed by 11 o	
Repair HVAC to Reduce Humidity Levels	▼
Set Temperature to 72 - 78 degrees	▼
Evaluate and repair cause of stained ceiling tiles	▼
	▼
	▼
	▼
	▼
	▼

104B is the Principal's office The fresh air damper in F-113 was wide open at time of assessment. Custodial staff is wiping microbial growth off wall paper under windows. The wall material appears to be block. HVAC system is repaired. The Principal has personal property that needs to be temporarily moved to allow HFSP to

Otan
▼
▼
•
•
•
•
▼
▼

Corrective Actions to be completed by 110	
Remove wall paper and prep. wall surface & paint	▼
Repair HVAC to Reduce Humidity Levels	▼
Evaluate the windows for water intrusion	▼
Repair windows or caulk if necessary	▼
	•
	▼
	▼
	▼

Outdoor Conditions Temperatu	ure 70.2 Relative	Humidity 80.4	Ambient CO2 452	<u>:                                    </u>
Fish         Temperature         Range           108         70.1         72 - 72		Range <u>co</u> % - <b>60</b> % 609		upants
Noticeable Odor No	Visible water damage / staining?	Visible microbial growth?	Amount of material affected	
Ceiling 2' X 4' Lay in	No	No		
Walls Block/Plaster	No	Yes		
Floor Carpet	No	No		
Ceiling Clean Yes Walls Clean No	HVAC Supply Grills Clean	Yes	HVAC Return Grills Clean	Yes
Flooring Clean Yes	Inside of Supply Duct Clean	Yes	Inside of Return Duct Clean	N/A
Room Surfaces No Clean	Ceiling at Supply Grills Clean	Yes		
Trash Removed Yes  Signs of Pests No	Exhaust Fans Working  Drain Traps Wet	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 113		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		
Bollutant Sources Near Air	Γhru exterior wall	▼	Fresh Air Intake Free of Obstruction	Yes

# **Observations**

The fresh air damper in F-113 was wide open at time of assessment.

Custodial staff is wiping microbial growth off wall paper under windows. The wall material appears to be block, remove wall paper, prep and paint on the entire window wall. Continue to wipe microbial growth off wall surfaces until HVAC system is repaired.

# Corrective Actions to be Completed by Site Based Staff

Corrective Actions to be completed by one Based to	, tu:
Wipe down walls and continue to monitor	▼
Clean dust from wall surfaces	▼
	▼
	▼
	▼
	▼
	▼
	▼

Corrective Actions to be completed by 11 C	
Remove wall paper and prep. wall surface & paint	▼
Repair HVAC to Reduce Humidity Levels	▼
Evaluate the windows for water intrusion	▼
Repair windows or caulk if necessary	▼
Set Temperature to 72 - 78 degrees	▼
	▼
	▼
	▼

thermostat was recently installed, the school HFSP should monitor temperatures in the classroom before a data logger is used.

## Corrective Actions to be Completed by Site Based Staff

Corrective Actions to be completed by one based on	<b></b>
Coordinate a schedule between HFSP and	▼
classroom Instructor to clean properly due to clutter	▼
Clean HVAC supply grills with Wexcide	▼
Clean ceilings around HVAC supply grills	▼
	•
	▼
	▼
	▼

Corrective Actions to be completed by FFO	
Repair HVAC to reduce CO2 level in classroom	▼
Evaluate whether a HVAC data logger is necessary	▼
	▼
	▼
	▼
	▼
	▼
	▼
	▼ ▼