

Aston A. Henry, Supervisor Risk Management Department

September 14, 2009

TO:

FROM:

SUBJECT:

# managing risk with responsibility

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

009
Signature on File

Mr. Ronald Forsman, Principal

Rickards Middle School

Edward See, Project Manager

Risk Management Department

Indoor Air Quality (IAQ) Assessment

FISH 002 and 175A

For Custodial Supervisor Use Only
Custodial Issues Addressed
Custodial Issues Not Address

On September 2, 2009, I conducted an assessment of FISH 002 and 175A at **Rickards Middle School**. This evaluation included observations of the flooring system, ceiling tiles, false ceiling plenum, environmental surfaces, interior and exterior walls, and the accessible ventilation equipment. Additionally, environmental parameter measurements were taken to include temperature, relative humidity, and carbon dioxide. The detailed findings, along with the recommended corrective action can be found on the attached IAQ Assessment Worksheets.

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 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 me at 754-321-1900.

cc:	Sharon Airaghi, Area Superintendent
	David Hall, Area Director
	Jeffrey S. Moquin, Executive Director, Support Operations
	Aston Henry, Supervisor, Risk Management
	Robert Goode, Project Manager, Facilities and Construction Management
	Dane Ramson, Broward Teachers Union
	Roy Jarrett, Federation of Public Employees
	Mark Dorsett, Manager 1, Physical Plant Operations Division, Zone 1
	Roy Norton, Manager Custodial/Grounds, Physical Plant Operations Division
	Robert Krickovich, Coordinator, LEA, Facilities and Construction Management
ES/tc	
Enc.	

The School Board of Broward County, Florida

			IAQ As	sessment	Location N	lumber	2121	
		Rickards Middl	e School		Evaluation	Requested	Septemb	oer 2, 2009
Time of Day	3:00 pm	]			Eval	uation Date	Septemb	oer 2, 2009
Outdoor Condi	itions Tei	nperature	38.9	Relative Humidit	/ 80.5	Ambie	nt CO2	391
Fish	Temperature	Range Rela	tive Humidity	Range	CO2	Ran	nge #	Occupants
002	70.5	72 - 78	61.5	30% - 60%	749	Max 700	> Ambient	2
Noticeable Od	lor No		/isible water age / staining	Visible micr ? growth		Amount o naterial affeo		
Ceiling Type	2 x 4 Lay	/ In	No	No			None	
Wall Type	Drywall/Pla	aster	Yes	Yes		3 so	quare feet	
Flooring	12 x 12 V	inyl	No	No			None	
	Clean	Minor Dust / Debris	Needs Cleaning		Correctiv	e Action Re	equired	
Ceiling	Yes	No	No					
Walls	No	Yes	Yes		clean with W	/excide dis	infectant	
Flooring	Yes	No	No					
HVAC Supply	Grills Yes	No	No					
HVAC Return	Grills Yes	No	No					
Ceiling at Sup Grills	ply Yes	No	No					
Surfaces in Ro	oom Yes	No	No					

## Observations

#### Findings:

- Humidity level was slightly elevated at the time of the assessment

- Visible spotty microbial growth in hallway 002 and outside of FISH 155

## Site Based Maintenance:

- Wipe down walls with Wexcide disinfectant solution

- Continue to monitor this location for any signs of microbial growth as well as dust and debris accumulation and clean as appropriate

### Physical Plant Operations:

- Evaluate HVAC for proper operation and repair as appropriate to lower humidity level - WORK ORDER EQ01307

			IAQ Ass	sessment	Location Number	2121
		Rickards Middle	e School		Evaluation Requested	September 2, 2009
Time of Day	3:00 pm	]			Evaluation Date	September 2, 2009
Outdoor Condi	itions Ter	mperature 8	8.9	Relative Humidity	80.5 Ambie	ent CO2 391
Fish	Temperature	Range Relat	ive Humidity	Range	CO2 Rar	nge # Occupants
175A	68	72 - 78	61.7	30% - 60%	552 Max 700	> Ambient 2
Noticeable Od	lor No		/isible water age / staining'	Visible microl ? growth?	bial Amount o material affec	
Ceiling Type	2 x 4 Lay	In	No	No		None
Wall Type	Drywall/Pla	aster	Yes	Yes	2 so	quare feet
Flooring	12 x 12 Vi	inyl	No	No		None
	Clean	Minor Dust / Debris	Needs Cleaning		Corrective Action Re	equired
Ceiling	Yes	No	No			
Walls	No	Yes	Yes	CI	ean with Wexcide dis	infectant
Flooring	Yes	Νο	No			
HVAC Supply	Grills Yes	No	No			
HVAC Return	Grills Yes	No	No			
Ceiling at Sup Grills	oply Yes	No	No			
Surfaces in Ro	oom Yes	No	No			

## Observations

## Findings:

- Temperature was low and humidity level was slightly elevated at the time of the assessment

- Visible spotty microbial growth on walls

## Site Based Maintenance:

- Wipe down walls with Wexcide disinfectant solution

- Continue to monitor this location for any signs of microbial growth as well as dust and debris accumulation and clean as appropriate

### Physical Plant Operations:

- Evaluate HVAC for proper operation and repair as appropriate to increase temperature lower humidity level - WORK ORDER EQ01307