

Aston A. Henry, Supervisor **Risk Management Department** 

# managing risk with responsibility

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October 12, 200	9 Signature on File
TO:	Mr. Robert Schneider, Principal <b>Davie Elementary School</b>
FROM:	Robert Krickovich, Coordinator, LEA Facilities and Construction Management
SUBJECT:	Indoor Air Quality (IAQ) Assessment FISH 118 and 121

Custodial Issues Addressed
Custodial Issues Not Addressed
Custodiai Issues i vot maaressea

On September 16, 2009 I conducted an assessment of FISH 118 and 121 at Davie Elementary School. The assessment consisted of a reevaluation walkthrough of the previously identified areas to assess the current condition of the location with regard to indoor air quality. This assessment included reviewing previously generated work orders, if applicable, as well as observation of the area of concern as stated in the IAQ Assessments performed on October 23, 2006 and August 26, 2009 for FISH 121. Attached are the findings of this assessment along with recommendations for further assessment, remediation, or corrective actions, if 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 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 754-321-1638.

cc: Dr. Joel Herbst, Area Superintendent Dr. Gina Eyerman, Area Director Jeffrey S. Moquin, Executive Director, Support Operations Aston Henry, Supervisor, Risk Management Frank Girardi, Project Manager, Facilities and Construction Management Diane Watts, 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

RK/tc Enc.

			IAQ As	sessment	Location Number	2801
	C	avie Elementa	ry School		Evaluation Requested	September 10, 2009
Time of Day		]			Evaluation Date	September 16, 2009
Outdoor Condi	tions Ten	nperature	90.8	Relative Humidity	57.1 Ambie	ent CO2 470
Fish	Temperature	Range Rela	ative Humidity	Range	CO2 Rai	nge # Occupants
118	72	72 - 78	48.5	30% - 60%	771 Max 700	> Ambient 3
Noticeable Od	or No		Visible water mage / staining	Visible micro ? growth?	bial Amount o material affe	
Ceiling Type	2 x 4 Lay	In	Yes	No	4 0	ceiling tiles
Wall Type	Tackboa	rd	No	No		None
Flooring	12 x 12 Vi	nyl	No	No		None
	Clean	Minor Dust / Debris	Needs Cleaning		Corrective Action R	equired
Ceiling	Yes	No	No			
Walls	Yes	No	No			
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 No	Yes	Yes		Clean as appropr	iate

#### Observations

#### Findings:

- Minor dust build up on elevated surfaces
- Visible microbial growth inside tall cabinet
- Dust build up in return air duct

- Sink cabinetry was recently replaced. Occupant advised that the contractor that installed the cabinetry placed the cabinet over microbial growth that was on the wall. HFSP stated that they cleaned the visible growth on the wall above the backsplash after the cabinet was installed and growth has not returned.

## Recommendations:

## Site Based Maintenance:

- Remove and replace 4 stained ceiling tiles. If stains return, contact COMPASS to generate a work order for Physical Plant Operations to evaluate for cause.

- Wipe down tall cabinet with Wexcide disinfectant solution

- Clean elevated surfaces throughout the room

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

## Physical Plant Operation:

- Clean return air duct work

## Facilities and Construction Management:

- Have contractor remove cabinets and clean wall surfaces behind cabinets

<sup>- 4</sup> stained ceiling tiles

			IAQ As	sessment	Location Number	2801
	D	avie Elementar	y School		Evaluation Requested	September 10, 2009
Time of Day					Evaluation Date	September 16, 2009
Outdoor Cond	itions Ten	nperature	90.8	Relative Humidity	57.1 Ambie	ent CO2 470
Fish	Temperature	Range Rela	tive Humidity	Range	CO2 Rar	nge # Occupants
121	71.6 7	2 - 78	49.6	30% - 60%	723 Max 700	> Ambient 2
Noticeable Oc	lor No		/isible water nage / staining	Visible micro ? growth?	bial Amount o material affeo	
Ceiling Type	2 x 4 Lay	In	No	No		None
Wall Type	Tackboa	rd	No	No		None
Flooring	12 x 12 Vi	nyl	No	No		None
	Clean	Minor Dust / Debris	Needs Cleaning		Corrective Action Re	equired
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Surfaces in Ro	oom Yes	No	No			

## Observations

Findings:

- Dust build up in return air duct

#### Recommendations:

#### Site Based Maintenance:

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

# Physical Plant Operation:

- Clean return air duct work