

Aston A. Henry, Supervisor Risk Management Department

managing risk with responsibility

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

April 17, 2012	Signature on File	For Custodial Supervisor Use Only		
TO:	Robert Schneider, Principal Davie Elementary School	Custodial Issues Addressed Custodial Issues Not Addressed		
FROM:	Richard Rosa, Project Manager Facilities and Construction Management			
SUBJECT:	Indoor Air Ouality (IAO) Assessment			

On January 25, 2012, I conducted an assessment at **Davie Elementary 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.

cc: Area Superintendent

Area Directors Shelley Meloni, Executive Director, Facilities and Construction Management Mark Dorsett, Acting Director, Physical Plant Operations Division, Maintenance Sonja Coley, Project Manager III, Facilities and Construction Management Roy Norton, Manager Custodial/Grounds, Physical Plant Operations Division Aston Henry, Supervisor, Risk Management Broward Teachers Union Federation of Public Employees

RR/tc Enc.

			IAQ Ass	essment	Location Number		
Davie Elementary School					Evaluation Requested	January	21, 2012
Time of Day	11:45]			Evaluation Date	January	25, 2012
Outdoor Cond	itions Ter	nperature 8	0.1 F	Relative Humidity	52.9 Ambi	ent CO2	461
Fish	Temperature	Range Relat	tive Humidity	Range	CO2 Ra	nge # (Occupants
116/117	74.8	72 - 78	47.1	30% - 60%	1085 Max 700) > Ambient	42
Noticeable Oc	dor No	-	'isible water age / staining?	Visible micro growth?	bial Amount of material affe		
Ceiling Type	2 x 4 Lay	In	Yes	No	less that	an 2 square fe	eet
Wall Type	Various	3	No	No		None	
Flooring	12 x 12 Vi	nyl	No	No		None	
	Clean	Minor Dust / Debris	Needs Cleaning		Corrective Action R	equired	
Ceiling	No	Yes	Yes		Remove and repl	ace	
Walls	Yes	No	No				
Flooring	No	Yes	Yes		Clean as appropr	iate	
HVAC Supply	Grills No	Yes	Yes		Clean as appropr	iate	
HVAC Return	Grills No	Yes	Yes		Clean as appropr	iate	
Ceiling at Sup Grills	pply No	Yes	Yes		Clean as appropr	iate	
Surfaces in R	oom No	Yes	Yes		Clean as appropr	iate	

Observations

Findings

- Dust build up on surfaces
- Dust build up on HVAC supply and return grills and on ceiling at supply grills
- Cobwebs and dust build up on flooring in corners
- Stained ceiling tiles

Site Based Maintenance:

- Thoroughly clean all surfaces throughout the room
- Remove and replace stained ceiling tiles
- Clean HVAC supply and return grills with Wexcide and clean ceiling at supply grills.
- Generate a work order through COMPASS for pest control
- Clean and sanitize floor

- 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 cause of stained ceiling tiles (possible roof leak) and repair as appropriate. Remove and replace ceiling tiles as necessary.

- NOTE: Work order EQ02289 and EQ02290 generated 1-26-12

			IAQ As	sessment	Location Number		
Davie Elementary School					Evaluation Requeste	d Januar	y 21, 2012
Time of Day	11:45				Evaluation Da	te Januar	y 25, 2012
Outdoor Cond	itions Ten	nperature 8	80.1	Relative Humidity	52.9 Amb	oient CO2	461
Fish	Temperature	Range Rela	tive Humidity	Range	CO2 R	ange #	Occupants
118	75.8	72 - 78	47.2	30% - 60%	1232 Max 7	00 > Ambien	t 22
Noticeable Oc	dor No	-	/isible water age / staining	Visible micro g? growth?	74110411		
Ceiling Type	2 x 4 Lay	In	Yes	No	less t	han 2 square	feet
Wall Type	Various	6	No	No		None	
Flooring	12 x 12 Vii	nyl	No	No		None	
	Clean	Minor Dust / Debris	Needs Cleaning		Corrective Action	Required	
Ceiling	No	Yes	Yes		Remove and re	olace	
Walls	Yes	No	No				
Flooring	No	Yes	Yes		Clean as appro	oriate	
HVAC Supply	Grills No	Yes	Yes		Clean as approp	oriate	
HVAC Return	Grills No	Yes	Yes		Clean as approp	oriate	
Ceiling at Sup Grills	oply No	Yes	Yes		Clean as appro	oriate	
Surfaces in R	oom No	Yes	Yes		Clean as appro	oriate	

Observations

Findings

- Dust build up on surfaces
- Dust build up on HVAC supply and return grills and on ceiling at supply grills
- Cobwebs and dust build up on flooring in corners
- Stained ceiling tiles
- Non-approved chemicals (Lysol and Goo Gone)
- Dust build up HVAC return drops

Site Based Maintenance:

- Thoroughly clean all surfaces throughout the room
- Remove and replace stained ceiling tiles
- Clean HVAC supply and return grills with Wexcide and clean ceiling at supply grills.
- Clean and sanitize floor
- Remove non-approved chemicals

- 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 cause of stained ceiling tiles (possible roof leak) and repair as appropriate. Remove and replace ceiling tiles as necessary.

- Clean HVAC return drops
- NOTE: Work order EQ02289 and EQ02290 generated 1-26-12