

managing risk with responsibility

Aston A. Henry, Supervisor
Risk Management Department

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April 13, 2012	Signature on File	For Custodial Supervisor Use Only		
TO:	Melinda Cunningham, Principal Hawkes Bluff Elementary School	Custodial Issues Addressed Custodial Issues Not Addressed		
FROM:	Richard Rosa, Project Manager Facilities and Construction Management			
SUBJECT:	Indoor Air Quality (IAQ) Assessment			

On February 27, 2012, I conducted an assessment at **Hawkes Bluff 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	3131
Hawkes Bluff Elementary School					Evaluation Requested	February 24, 2012
Time of Day	10:45	]			Evaluation Date	February 27, 2012
Outdoor Cond	itions Ter	nperature 7	8.6	Relative Humidity	67.8 Ambie	ent CO2 439
Fish	Temperature	Range Relat	tive Humidity	Range	CO2 Rai	nge # Occupants
753	74.8	72 - 78	61.9	30% - 60%	1759 Max 700	> Ambient 21
Noticeable O	dor No	-	/isible water age / staining?	Visible micro ? growth?	bial Amount o material affe	
Ceiling Type	2 x 4 Lay	In	Yes	No	1	ceiling tile
Wall Type	Drywal	I	No	No		None
Flooring	12 x 12 Vi	nyl	No	No		None
	Clean	Minor Dust / Debris	Needs Cleaning		Corrective Action Re	equired
Ceiling	No	Yes	Yes		Remove and repla	ace
Walls	Yes	No	No			
Flooring	No	Yes	Yes		Clean as appropr	iate
HVAC Supply	Grills No	Yes	Yes		Clean as appropr	ate
HVAC Return	Grills No	Yes	Yes		Clean as appropri	iate
Ceiling at Sup Grills	oply No	Yes	Yes		Clean as appropr	iate
Surfaces in R	oom No	Yes	Yes		Clean as appropr	iate

## Observations

### Findings

- Elevated humidity and CO2 levels
- Stained ceiling tiles
- Dust build up on surfaces throughout the room
- Dust build up on HVAC supply and return grills and on ceiling at supply grills.
- Cobwebs in corners of floor

### Site Based Maintenance:

- Vacuum HVAC return grills
- Thoroughly sweep floor corners to remove cobwebs
- Clean HVAC supply grills with Wexcide disinfectant solution and wipe down ceiling tiles at supply grills.
- Thoroughly clean all horizontal 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 Operations:

- Evaluate HVAC system for proper operation and repair as appropriate to lower CO2 and humidity level

- Evaluate for cause of stained ceiling tiles and repair as appropriate. Check above windows and other areas above stained tiles. Remove and replace tiles as necessary.

- NOTE: Work orders EQ02348 and EQ02349 generated 3-21-12

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Fish	Temperature	Range Relat	tive Humidity	Range	CO2 Rai	nge # Occupants
754	73.8	72 - 78	53.4	30% - 60%	1276 Max 700	> Ambient 19
Noticeable O	dor No	-	'isible water age / staining'	Visible micro ? growth?	bial Amount o material affe	
Ceiling Type	2 x 4 Lay	<sup>,</sup> In	Yes	No	1	ceiling tile
Wall Type	Drywa	I	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			
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756	73.9	72 - 78	64.6	30% - 60%	1283 Max 700	> Ambient 22
Noticeable O	dor No		/isible water hage / staining	Visible micro ? growth?	bial Amount o material affe	
Ceiling Type	2 x 4 Lay	/ In	Yes	No	1	ceiling tile
Wall Type	Drywa	II	No	No		None
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