

managing risk with responsibility

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Signature on File

Jeffrey S. Moquin, Director Risk Management Department

October 24, 2006

Management Department Facsimile: 754-321-3290

TO: Ms. Ellen Etling, Principal

Bair Middle School

FROM: Aston A. Henry, Jr., Supervisor

Risk Management Department

SUBJECT: Indoor Air Quality (IAQ) Assessment

FISH 166 and 189C

On October 18, 2006 Kenneth Partee and I conducted an assessment FISH 166 and 189C at **Bair 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. 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.

Should any questions arise, or if the current concerns continue after the attached recommendations have been addressed, please feel free to contact me at 754-321-3200.

cc: Dr. Harry LaCava, Area Superintendent

Fran Bolden, Area Director

Jeffrey S. Moquin, Director, Risk Management

Charles Ricks, Project Manager, Facilities and Construction Management

Gary Itzkowitz, Broward Teachers Union

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

AAH/tc Enc.

Bair Middle School						Evaluation Requested October 18, 2006		
Time of Day 1	0:55 am				E	Evaluation Date	October 18, 2006	
Outdoor Condition	s Temp	perature		Relative Humidity		Ambient	CO2	
Fish Tem	perature R	ange Rela	tive Humidity	Range	CO2	Range	# Occupants	
166	68 72	- 78	61.8	30% - 60%	1217	Max 700 >	Ambient 16	
Noticeable Odor No			Visible water Visible damage / staining? gr				ial	
Ceiling Type	2 x 4 Lay Ir	า	Yes	No		3 ceili	ng tiles	
Wall Type	Plaster/Divider		No	No	No		None	
Flooring	Carpet		No	No		None		
	Clean	Minor Dust / Debris	Needs Cleaning		Correc	ctive Action Requ	uired	
Ceiling	No	Yes	Yes		Repl	ace as necessar	у	
Walls	Yes	No	No					
Flooring	Yes	No	No					
HVAC Supply Grill	s Yes	No	No					
HVAC Return Grill	s No	Yes	Yes	С	lean witl	h Wexcide disinf	ectant	
Ceiling at Supply Grills	Yes	No	No					
Surfaces in Room	No	Yes	Yes		Clea	an as appropriate	9	

IAQ Assessment

2611

Location Number

Observations

Findings:

- Dust and debris on HVAC return grill at left rear corner of room
- HVAC return at front door is not functioning properly
- Dust build up on environmental surfaces
- 3 stained ceiling tiles
- Aerator for eyewash is clogged
- Temperature was low and humidity level was slightly elevated.

Recommendations:

Site Based Maintenance:

- Clean HVAC return grill at left rear corner of room with Wexcide disinfectant solution
- Clean environmental surfaces throughout the room
- Remove and replace stained ceiling tiles
- Clean aerator for eyewash
- Adjust thermostat to increase temperature and lower humidity level. Continue to monitor condition and initiate a work order to Physical Plant Operations to evaluate the HVAC system if temperature does not improve.
- 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:

- Evalaute HVAC return at front door for proper operation and repair as appropriate

	Bair	Middle School		Evaluation Requested	October 18, 2006			
Time of Day 11:	:15 am			Evaluation Date	October 18, 2006			
Outdoor Conditions	Temperature		Relative Humidity	Ambie	nt CO2			
Noticeable Odor Ceiling Type Wall Type Flooring	No 2 x 4 Lay In See Below Carpet Clean Minor I	ris Cleaning	Range 30% - 60% Visible micro growth? No No No	Amount of mataffected 5 ce	> Ambient 13 terial eiling tiles None None			
Ceiling				Replace as necessary				
Walls	Yes No	No						
Flooring	No Yes	Yes	E	Evaluate carpet for replacement				
HVAC Supply Grills	Yes No	No						
HVAC Return Grills				N/A				
Ceiling at Supply Grills	Yes No	No						
Surfaces in Room	No Yes	Yes		Clean as appropri	ate			
Findings: - Walls are concrete, t - Dust build up on env - Carpet is worn and h	ironmental surfaces							
- 5 stained ceiling tiles Recommendations: Site Based Maintena - Clean environmental - Remove and replace - Continue to monitor appropriate Physical Plant Opera - Evaluate carpet for designs and the second sec	nce: I surfaces throughou e stained ceiling tiles this location for any s	signs of microbial gi		t and debris accumulatio	on and clean as			

IAQ Assessment

2611

Location Number