

managing risk with responsibility

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Jeffrey S. Moquin, Director Risk Management Department

> November 21, 2005 Signature on File

TO: Ms. Ellen Etling, Principal

Bair Middle School

FROM: Kenneth I. Partee, Project Manager, Occupational Health and Environmental

Control

Risk Management Department

SUBJECT: Indoor Air Quality (IAQ) Assessment

FISH 011, 127B and 149

On November 7, 2005 the IAQ Assessment Team conducted an assessment of FISH 011, 127B and 149 at Bair Middle School. The evaluation consisted of a walkthrough of the identified areas to assess the current condition of the location with regard to indoor air quality. This assessment included observations of the carpet, floor tile, ceiling tile, interior walls, false ceiling plenum, and accessible ventilation equipment.

Attached are the findings of this assessment along with recommendations for further assessment, remediation, or corrective actions, if needed.

Generally, the IAQ Assessment did not identify any existing conditions significantly impacting IAQ and thereby presenting immediate health and safety concerns 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.

Dr. Harry LaCava, Area Superintendent CC:

Willie Dudley, Area Director

Jeffrey S. Moquin, Director, Risk Management

Charles Ricks, Project Manager II, 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

KP/tc Enc.

	Bair	Middle School		Evaluation Requested	November 6, 2005
Time of Day 7:5	5 a.m.	_		Evaluation Date	November 7, 2005
Outdoor Conditions	Temperature	84.6	Relative Humidity	85.2 Ambi	ent CO2 514
Fish Temper 011 Noticeable Odor Ceiling Type Wall Type	Range 72 - 78 No 2 x 4 Lay In Drywall	Visible water damage / staining	Range 30% - 60% Visible micro growth? No No	Max 700	
Flooring	Tile	No	No		None
Ceiling	Clean Minor Debi	ris Cleaning		Corrective Action R	equired
Walls	Yes No	No			
Flooring	Yes No	No			
HVAC Supply Grills	Yes No	No			
HVAC Return Grills	Yes No	No			
Ceiling at Supply Grills	Yes No	No			
Surfaces in Room	Yes No	No			
Observations Findings: (Corridor) - Advised of leak. No I Recommendations: Site Based Maintenal - Continue to monitor t appropriate	leak detected in mai nce:			e. t and debris accumulat	ion and clean as
Hurricane Related	t				

IAQ Assessment

2611

Location Number

Time of Day	7:55 a.m.					Evaluation Date November 7, 2005
Outdoor Condi	tions Ten	nperature 8	4.6	Relative Humi	dity 85.	2 Ambient CO2 514
Fish	Temperature	Range Rela	tive Humidity	Range	CO2	Range # Occupants
127B	73.8	'2 - 78	54.3	30% - 60%	519	Max 700 > Ambient 0
Noticeable Od	lor No		isible water age / staining?	Visible m grow		Amount of material affected
Ceiling Type	2 x 4 Lay	In	Yes	Ye	3	4' x 4' area
Wall Type	Drywall		No	No		None
Flooring	Tile		No	No		None
	Clean	Minor Dust / Debris	Needs Cleaning		Corre	ective Action Required
Ceiling	No	Yes	Yes		Cle	an hatch perimeter
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 Yes	No	No			
- Possible leak in - Ceiling tiles ha Recommendati Site Based Mai - Clean ceiling h - Continue to mappropriate Physical Plant	ntenance: patch opening with the properties of t	exhaust vent d th Wexcide disir n for any signs	fectant solutio of microbial gro	owth as well as	dust and d	ebris accumulation and clean as

IAQ Assessment

Bair Middle School

2611

November 6, 2005

Location Number
Evaluation Requested

Time of Day	7:55 a.m.					Evaluation Date No	ovember 7, 2005
Outdoor Condi	tions Te	mperature 8	34.6	Relative Hum	nidity 85.	2 Ambient Co	02 514
Fish	Temperature	Range Rela	tive Humidity	Range	CO2	Range	# Occupants
149	70.8	72 - 78	54.4	30% - 60%	579	Max 700 > An	nbient 2
Noticeable Od		⊐ dam	/isible water nage / staining		microbial owth?	Amount of material affected	
Ceiling Type	2 x 4 La		No	<u> </u>	No	None	
Wall Type	Drywa		No		No	None)
Flooring	Tile		No		No	Non	e
	Clean	Minor Dust / Debris	Needs Cleaning		Corre	ective Action Requir	ed
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 Yes	No	No				
Observations Findings: - No visible microbial growth - advised that there was growth on the teacher's desk but it has been cleaned - Temperature was low at the time of assessment							
Recommendati	ions:						
Site Based Maintenance: - Adjust thermostat to increase temperature and monitor room. If necessary call in a work order for PPO to evaluate HVAC operation. - Continue to monitor this location for any signs of microbial growth as well as dust and debris accumulation and clean as appropriate							
Hurricane R	elated						

IAQ Assessment

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Location Number

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2611

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