

managing risk with responsibility

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Jeffrey S. Moquin, Director Risk Management Department

FISH 759 and 760

May 14, 2008	Signature on File	For Custodial Supervisor Use Only
TO:	Ms. Deborah Peeples, Principal Oriole Elementary School	Custodial Issues Addressed Custodial Issues Not Addressed
FROM:	Edward See, Project Manager Risk Management Department	
SUBJECT:	Indoor Air Quality (IAQ) Assessment	

On May 8, 2008 I conducted an assessment of FISH 759 and 760 at **Oriole Elementary 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. Additionally, environmental parameter measurements were taken to include temperature, relative humidity, and carbon dioxide. 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.

Please ensure that your Head Facilities Serviceperson receives a copy of this correspondence so that the recommendations requiring their attention can be addressed. 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 754-321-3200.

cc: Dr. Leontine Butler, Area Superintendent
Dr. Desmond Blackburn, Area Director
Jeffrey S. Moquin, Director, Risk Management
Henry Verdugo, Project Manager, Facilities and Construction Management
Dane Ramson, 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
Robert Krickovich, Coordinator, LEA, Facilities and Construction Management

ES/tc Enc.

Oriole Elementary School					Evaluation Requested May 7, 2008			3
Time of Day	8:30 am]			E	Evaluation Date	May 8, 2008	3
Outdoor Conditi	ons Te	mperature	85.8	Relative Humidity	56.6	Ambier	t CO2 457	
Fish Te	emperature	Range Re	ative Humidity	Range	CO2	Rang	је # Оссиј	oants
759	76.3	72 - 78	68.9	30% - 60%	1054	Max 700 >	- Ambient 2	6
Noticeable Odo	r No	da	Visible water mage / staining	Visible micro growth?		Amount of mate affected	erial	
Ceiling Type	2 x 4 La	/ In	Yes	No		2 ce	iling tiles	
Wall Type	Drywall/Plaster		No			None		
Flooring	12 x 12 V	inyl	No	No	No None			
	Clean	Minor Dust / Debris	Needs Cleaning		Correc	ctive Action Red	quired	
Ceiling	No	Yes	Yes	R	Remove and replace ceiling tiles			
Walls	Yes	No	No					
Flooring	No	Yes	Yes		Clean and sanitize			
HVAC Supply G	rills Yes	No	No					
HVAC Return G	rills Yes	No	No					
Ceiling at Suppl Grills	y Yes	No	No					
Surfaces in Roo	om No	Yes	Yes		Clea	an as appropria	te	
Surfaces in Roo	om No	Yes	Yes		Clea	an as appropria	te	

IAQ Assessment

1831

May 7, 2008

Location Number Evaluation Requested

Observations

Findings:

- No signs of visible microbial growth or water intrusion
- No gaps in windows or doors identified
- Pests identified in room (ants, roaches)
- Dust accumulation on environmental surfaces and in corners of room along North wall
- 2 stained ceiling tiles
- Dust and debris on floor
- Humidity was elevated

Recommendations:

Site Based Maintenance:

- Thoroughly clean environmental surfaces and corners throughout the room
- Remove and replace stained ceiling tiles
- 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:

- Initiate a work order for pest control
- Evaluate HVAC for proper operation and repair as appropriate to lower humidity

Oriole Elementary School	Evaluation Requested May 7, 2008						
Time of Day 8:30 am	Evaluation Date May 8, 2008						
Outdoor Conditions Temperature 85.8 Relative Humidity	56.6 Ambient CO2 457						
Fish Temperature Range Relative Humidity Range 760 75.4 72 - 78 60.9 30% - 60%	CO2 Range # Occupants 759 Max 700 > Ambient						
Noticeable Odor No Visible water Visible micro damage / staining? growth?	7 01						
Ceiling Type 2 x 4 Lay In No No	None						
Wall Type Drywall/Plaster No No	None						
Flooring 12 x 12 Vinyl No No	None						
Clean Minor Dust Needs / Debris Cleaning	Corrective Action Required						
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 Supply Yes No No Grills							
Surfaces in Room Yes No No							
Observations Findings:							
- No signs of visible microbial growth or water intrusion - Humidity was slightly elevated							
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 Operations: - Evaluate HVAC for proper operation and repair as appropriate to lower humidity							

IAQ Assessment

1831

Location Number