

SUBJECT:

managing risk with responsibility

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Jeffrey S. Moquin, Director Risk Management Department

FISH 603 and 604

June 19, 2007	Signature on File	For Custodial Supervisor Use Only		
TO:	Ms. Robin David, Principal Royal Palm Elementary School	Custodial Issues Addressed Custodial Issues Not Addressed		
FROM:	Edward See, Project Manager Risk Management Department			
SUBJECT:	Indoor Air Quality (IAQ) Assessment			

On June 6, 2007 I conducted an assessment of FISH 603 and 604 at Royal Palm 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. Harry LaCava, Area Superintendent Fran Bolden, Area Director Jeffrey S. Moguin, Director, Risk Management Robert Goode, Project Manager, Facilities and Construction Management Gary Itzkowitz, Broward Teachers Union Roy Jarrett, National Federation of Public and Private 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.

	Roya	al Palm Elemer	ntary School		Evaluati	ion Requested	May 21, 2007	
Time of Day	8:15 am				E	Evaluation Date	June 6, 2007	
Outdoor Condi	tions T	emperature [89	Relative Humid	ity 62.3	Ambien	CO2 564	
Fish 1	Temperature	Range R	elative Humidity	Range	CO2	Rang	e # Occupants	
603	75.4	72 - 78	60.5	30% - 60%	561	Max 700 >	Ambient 2	
Noticeable Od	or No		Visible water lamage / staining	Visible mi ? growt		Amount of mate affected	rial	
Ceiling Type	2 x 4 La	ay In	No	No		None		
Wall Type	Dryw	all	No	No		None		
Flooring	Viny	/ I	No	No		None		
	Clean	Minor Dus / Debris	st Needs Cleaning		Correc	ctive Action Req	uired	
Ceiling	Yes	No	No					
Walls	No	Yes	Yes		Clean as appropriate			
Flooring	No	Yes	Yes		Clean and sanitize			
HVAC Supply	Grills Yes	No	No					
HVAC Return (Grills Yes	No	No					
Ceiling at Supp Grills	oly Yes	No	No					
Surfaces in Ro	om Yes	No	No					
bservations								
Findings: - Dust build up on floor - Dust build up on South wall - Dust build up on South wall - Air flowing out of supply grill. No gaps observed at doors or windows Humidity level was slightly elevated at the time of the assessment - Observed a row of ants on North wall at ceiling/wall interface -Recommendations:								

IAQ Assessment

Location Number

1221

Site Based Maintenance:

- Clean and sanitize floor
- Clean South wall to remove dust
- 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 level
- Initiate a work order for pest control to visit site

	Royal P	alm Elementar	y School		Evaluatio	n Requested May 21, 2007
Time of Day	8:15 am				Ev	June 6, 2007
Outdoor Condi	tions Tem	perature	89	Relative Humidity	62.3	Ambient CO2 564
Fish 604			tive Humidity		CO2 539	Range # Occupants Max 700 > Ambient 1
		2 - 78	isible water	30% - 60% Visible micro		Max 700 > Ambient 1 Amount of material
Noticeable Od	or No		age / staining		-	affected
Ceiling Type	2 x 4 Lay l	n	No	No		None
Wall Type	Drywall		No	No		None
Flooring	Vinyl		No	No		None
	Clean	Minor Dust / Debris	Needs Cleaning		Correct	ive Action Required
Ceiling	Yes	No	No			
Walls	Yes	No	No			
Flooring	No	Yes	Yes		Clea	an and sanitize
HVAC Supply	Grills Yes	No	No			
HVAC Return (Grills Yes	No	No			
Ceiling at Supp Grills	ply Yes	No	No			
Surfaces in Ro	oom Yes	No	No			
bservations						
Findings:						
- Dust build up o	n floor					

IAQ Assessment

1221

Location Number

0

- Air flowing out of supply grill. No gaps observed at doors or windows.
- Humidity level was elevated at the time of the assessment
- FISH 607 Mechanical Room Visible microbial growth in drain pan and on chilled water lines. Rust on pipes.

Recommendations:

Site Based Maintenance:

- 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 HVAC for proper operation and repair as appropriate to lower humidity level
- Clean drain pan in FISH 607 Mechanical Room and evaluate chilled water lines and pipes and repair as appropriate.