

managing risk with responsibility

Telephone: 754-321-3200 Facsimile: 754-321-3290

February 20,	2009 Signat	ure re on File	For Custodial Supervisor Use Only
TO:	Ms. Wendy Galinsky, P Hollywood Park Eleme	-	Custodial Issues Addressed Custodial Issues Not Addressed
FROM:	Edward See, Project Ma Risk Management Depa	0	
SUBJECT:	Indoor Air Quality (IAQ FISH 101B, 143, 202, 20		

On February 18, 2009 I conducted an assessment of FISH 101B, 143, 202, 203, 217 and 241 at **Hollywood Park 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.

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.

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.

Dr. Joel Herbst, Area Superintendent
 Dr. Gina Eyerman, Area Director
 Jeffrey S. Moquin, Executive Director, Support Operations
 Rodney Williams, Project Manager, Facilities and Construction Management
 Diane Watts, 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.

<u></u>	Hollywood Park Elem	nentary School		Evaluation	Requested February 10, 2009
Time of Day 2:	:00 pm			Eval	uation Date February 18, 2009
Outdoor Conditions	Temperature	76.3	Relative Humidity	45.3	Ambient CO2 405
l	erature Range 75.1 72 - 78	Relative Humidity	Range 30% - 60%	CO2 881	Range # Occupants Max 700 > Ambient 2
Noticeable Odor	No	Visible water damage / staining	Visible micro growth?	bial An	nount of material affected
Ceiling Type	2 x 4	No	No		None
Wall Type	Wood Panel	No	No		None
Flooring	12 x 12 Vinyl	No	No		None
	Clean Minor E			Corrective	e 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			
Ceiling at Supply Grills	Yes No	No			
Surfaces in Room	Yes No	No			
Dbservations					
Findings: - No issues identified	in room				
Recommendations: Site Based Maintena - Continue to monitor appropriate		signs of microbial g	rowth as well as dus	et and debris	accumulation and clean as

1761

Hollywood Park Elementary School Evaluation Requeste	ed February 10, 2009
Time of Day 2:00 pm Evaluation Da	te February 18, 2009
Outdoor Conditions Temperature 76.3 Relative Humidity 45.3 Aml	bient CO2 405
	Range # Occupants 00 > Ambient 3
Noticeable Odor No Visible water Visible microbial Amount of damage / staining? growth? affects	
Ceiling Type 2 x 4 No No	None
Wall Type Drywall/Plaster No No	None
Flooring 12 x 12 Vinyl No No	None
Clean Minor Dust Needs Corrective Action / Debris Cleaning	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	
Dbservations	
Findings: - No issues identified in room	
Recommendations: Site Based Maintenance: - Continue to monitor this location for any signs of microbial growth as well as dust and debris accumulappropriate	lation and clean as

1761

	Hollywood	d Park Elementa	ry School		Lvaiuatioi	rebruary 10, 2008
Time of Day	2:00 pm				Eva	aluation Date February 18, 2009
Outdoor Condi	tions Te	mperature	76.3	Relative Humidity	45.3	Ambient CO2 405
Fish	Temperature	Range Rela	ative Humidity	Range	CO2	Range # Occupar
202	75.6	72 - 78	45.8	30% - 60%	1052	Max 700 > Ambient 3
Noticeable Od	lor No		Visible water nage / staining	Visible micro growth?	bial /	Amount of material affected
Ceiling Type	2 x 4		No	No		None
Wall Type	Drywall/P	laster	No	No		None
Flooring	12 x 12 \	/inyl	No	No		None
	Clean	Minor Dust / Debris	Needs Cleaning		Correcti	ve 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 Sup Grills	ply Yes	No	No			
Surfaces in Ro	oom Yes	No	No			
Observations Findings: - No issues ider	ntified in room					
Recommendation Site Based Mainer Continue to mappropriate	intenance:	ion for any signs	of microbial g	rowth as well as dus	at and debr	is accumulation and clean as

1761

	Hollywoo	od Park Elementa	ary School		Evaluation R	equestea _	February 10, 2009
Time of Day	2:00 pm				Evalua	ation Date	February 18, 2009
Outdoor Conditi	ions T	emperature	76.3 Re	elative Humidity	45.3	Ambien	t CO2 405
Fish To	emperature	Range Re	ative Humidity	Range	CO2	Rang	e # Occupants
203	68.9	72 - 78	55.4	0% - 60%	1102	Max 700 >	<u> </u>
Noticeable Odd	or No	da	Visible water mage / staining?	Visible micro growth?		ount of mate affected	erial
Ceiling Type	2 x	4	No	No		1	None
Wall Type	Drywall/l	Plaster	No	No		N	lone
Flooring	12 x 12	Vinyl	No	No		ı	None
	Clean	Minor Dust / Debris	Needs Cleaning		Corrective	Action Rec	quired
Ceiling	Yes	No	No				
Walls	Yes	No	No				
Flooring	Yes	No	No				
HVAC Supply G	Grills Yes	No	No				
HVAC Return G	Grills Yes	No	No				
Ceiling at Supp Grills	oly Yes	No	No				
Surfaces in Roo	om Yes	No	No				
bservations Findings: - Temperature wa	as low at the	time of the asses	ssment				
Recommendation Site Based Main - Monitor for temporal - Continue to most appropriate	ntenance: perature	ation for any signs	s of microbial grov	vth as well as dus	st and debris a	accumulation	n and clean as
Facilities and Co - Advise contract							

1761

	Hollywoo	d Park Element	ary School		Evaluation	repruary 10, 2009
Time of Day	2:00 pm				Eva	February 18, 2009
Outdoor Cond	itions Te	emperature	76.3	Relative Humidity	45.3	Ambient CO2 405
Fish	Temperature	Range Re	lative Humidity	Range	CO2	Range # Occupants
217	73.7	72 - 78	52	30% - 60%	1210	Max 700 > Ambient 2
Noticeable O	dor No	da	Visible water mage / staining	Visible micro growth?	obial A	amount of material affected
Ceiling Type	2 x 4		No	No		None
Wall Type	Drywall/P	laster	No	No		None
Flooring	12 x 12 \	Vinyl	No	No		None
	Clean	Minor Dust / Debris	Needs Cleaning		Correctiv	ve 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 Sup Grills	oply Yes	No	No			
Surfaces in R	oom Yes	No	No			
Observations Findings: - No issues ide	ntified in room					
Recommendat Site Based Ma - Continue to m appropriate	intenance:	tion for any signs	s of microbial g	rowth as well as dus	et and debri	s accumulation and clean as

1761

Hollywood Park Elementary School	Evaluation Requested February 10, 2009
Time of Day 2:00 pm	Evaluation Date February 18, 2009
Outdoor Conditions Temperature 76.3 Relative Humidi	ty 45.3 Ambient CO2 405
Fish Temperature Range Relative Humidity Range 241 70.9 72 - 78 51.3 30% - 60%	CO2 Range # Occupants 922 Max 700 > Ambient 5
Noticeable Odor No Visible water Visible mid damage / staining? growth	
Ceiling Type 2 x 4 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	
Disservations Findings: - No issues identified in room - Principal stated that there is an ongoing HVAC project and there have been IA Recommendations: Site Based Maintenance: - Continue to monitor this location for any signs of microbial growth as well as dappropriate	

1761