

managing risk with responsibility

Aston A. Henry, Supervisor Telephone: 754 321-1900 Risk Management Department Fax: 754 321-1917

November 12, 2009 Signature on File

TO: Mr. Donald Lee, Principal

Broadview Elementary School

FROM: Robert Krickovich, Coordinator, LEA

Facilities and Construction Management

SUBJECT: Indoor Air Quality (IAQ) Assessment

FISH 136

<u>Fo</u>	r Custodial Supervisor Use Only
	Custodial Issues Addressed
	Custodial Issues Not Addressed

On October 30, 2009 I conducted an assessment of FISH 136 at **Broadview 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. In an attempt to separate IAQ issues from general maintenance items, the attached assessment may contain direction for site based staff to generate a work order through COMPASS. 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 754-321-1638.

cc: Dr. Leontine Butler, Area Superintendent

Dr. Desmond Blackburn, Area Director

Jeffrey S. Moquin, Executive Director, Support Operations

Aston Henry, Supervisor, 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

RK/tc Enc.

Broadview Elementary School						Evaluation Requested October 26, 200			
Time of Day	9:10 am				E	valuation Date	October 30, 2009		
Outdoor Condi	tions T	Temperature	81.1	Relative Humidity	83.3	Ambier	nt CO2 580		
Fish 1 136 - C Noticeable Od		72 - 78 da	73.2 Visible water mage / staining	30% - 60% Visible microl growth?	743 bial	Amount of material affect	> Ambient 3		
Ceiling Type	2 x 4 L		No	No	[None		
Wall Type	Dryw		No No		L		None		
Flooring	12 x 12	Vinyl	No	No			None		
	Clean	Minor Dust / Debris	Needs Cleaning		Correc	ctive Action Re	quired		
Ceiling	Yes	No	No						
Walls	Yes	No	No						
Flooring	Yes	No	No						
HVAC Supply	Grills No	Yes	Yes	CI	ean with	h Wexcide disi	nfectant		
HVAC Return	Grills No	Yes	Yes	Cl	ean with	h Wexcide disi	nfectant		
Ceiling at Sup Grills	oply Yes	No	No						
Surfaces in Ro	oom Yes	No	No						
bservations									
HFSP advisedDust and debrSite Based Mai	d that PPO has ris on HVAC s intenance:		on A/C unit for s	I as "C", is being use several months and i		•	perly		
- Continue to monitor this location for any signs of microbial growth as well as dust and debris accumulation and clean as									

- Evaluate HVAC system for proper operation and repair/replace as appropriate to lower humidity level. HFSP advised

appropriate

Physical Plant Operations:

previously repaired but not working properly.

IAQ Assessment

0811

Location Number

Broadview Elementary School Evaluation Requested October 26, 2009										
Time of Day	9:10 am				Eva	luation Date	October 30,	2009		
Outdoor Conditi	ions Temp	perature 8	1.1 F	Relative Humidit	y 83.3	Ambier	nt CO2 580			
Fish Te		ange Relati	ve Humidity	Range 30% - 60%	CO2 743	Rang Max 700	ge # Occ > Ambient	upants		
Noticeable Odo	or No		isible water age / staining?	Visible mici growth		Amount of material affect	ed			
Ceiling Type	2 x 4 Lay Iı	 1	No	No			None			
Wall Type	Drywall		No	No		ı	None			
Flooring	12 x 12 Vin	yl	No	No			None			
Clean Minor Dust Needs Corrective Action Required										
Ceiling	Yes	No	No							
Walls	Yes	No	No							
Flooring	Yes	No	No							
HVAC Supply G	Frills Yes	No	No							
HVAC Return G	rills Yes	No	No							
Ceiling at Supp Grills	oly Yes	No	No							
Surfaces in Roo	om Yes	No	No							
bservations										
	•		-	as "O", is being u everal months and		•	perly			
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 system for proper operation and repair/replace as appropriate to lower humidity level. HFSP advised previously repaired but not working properly.										

IAQ Assessment

0811

Location Number