

managing risk with responsibility

Aston A. Henry, Supervisor Risk Management Department

Telephone: 754 321-1900 Fax: 754 321-1917

April 16, 2012

Signature on File

TO: Ann Anderson-Kowalski, Principal

Bright Horizons School

FROM: Robert Krickovich, Coordinator I, LEA

Facilities and Construction Management

SUBJECT: Indoor Air Quality (IAQ) Assessment

For Custodial Supervisor Use Only				
	Custodial Issues Addressed			
	Custodial Issues Not Addressed			

On February 16, 2012, I conducted an assessment at **Bright Horizons School**. Attached are findings and recommendations for further assessment, remediation, or corrective actions needed.

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 site based custodial 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 us at 754-321-1907.

cc: Area Superintendent

Area Directors

Shelley Meloni, Executive Director, Facilities and Construction Management Mark Dorsett, Acting Director, Physical Plant Operations Division, Maintenance Sonja Coley, Project Manager III, Facilities and Construction Management Roy Norton, Manager Custodial/Grounds, Physical Plant Operations Division Aston Henry, Supervisor, Risk Management Broward Teachers Union

Broward Teachers Union

Federation of Public Employees

RK/tc Enc.

		Bright Horizon	s School		Evaluat	ion Requested	February	y 13, 2012
Time of Day	1:00				E	Evaluation Date	February	y 16, 2012
Outdoor Condi	tions T	emperature 8	30.4	Relative Humidity	59.3	Ambie	nt CO2	450
Fish 102 Noticeable Od	76.7 or No	72 - 78	tive Humidity 56.6 /isible water	Range 30% - 60% Visible micr growth?		Ran Max 700 Amount of material affect	> Ambient f	Occupants
Ceiling Type	2 x 4 L:		Yes	No			eiling tiles	
Wall Type	Dryw	all	No	No			None	
Flooring	12 x 12	Vinyl	No	No			None	
Ceiling	Clean	Minor Dust / Debris No	Needs Cleaning No		Correc	ctive Action Re	quired	
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					
bservations								
Findings								

IAQ Assessment

Location Number

0

- Blistered roof on building housing FISH 102, 103 and 117 previously identified (EQ01697 and J533512)
- Stained ceiling tiles
- Reported odor in room. Possibly from sewer vent stack on roof
- Visible microbial growth on two tackboards (3' x 6') in FISH 214

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:

- Temporarily raise sewer vent stack above level of the fresh air intake and monitor for odor dissipation
- Remove and replace stained ceiling tiles as necessary once roof is repaired on work order J533512
- Remove and replace tackboards in FISH 214
- NOTE: Work orders EQ02314 through EQ02316 generated 3-6-12

Bright Horizons School Evaluation Requested February 13, 2012							
Time of Day 1:00 Evaluation Date February 16, 2012							
Outdoor Conditions Temperature 80.4 Relative Humidity 59.3 Ambient CO2 450							
Fish Temperature Range Relative Humidity Range CO2 Range # Occupants 103 71.7 72 - 78 61.4 30% - 60% 676 Max 700 > Ambient 2							
Noticeable Odor No Visible water Visible microbial Amount of damage / staining? growth? material affected							
Ceiling Type 2 x 4 Lay In No No None							
Wall Type Drywall No None							
Flooring 12 x 12 Vinyl No No None							
Clean Minor Dust Needs Corrective Action Required / Debris Cleaning							
Ceiling Yes No No							
Walls Yes No No							
Flooring Yes No No No							
HVAC Supply Grills Yes No No							
HVAC Return Grills Yes No No							
Ceiling at Supply Yes No No Serills							
Surfaces in Room Yes No No							
oservations							
Findings - Blistered roof on building housing FISH 102, 103 and 117 - previously identified (EQ01697 and J533512) - Reported odor in room. Possibly from sewer vent stack on roof							
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: - Temporarily raise sewer vent stack above level of the fresh air intake and monitor for odor dissipation							
- NOTE: Work orders EQ02314 through EQ02316 generated 3-6-12							

IAQ Assessment

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Bright Horizons School	Evaluation Requested February 13, 2012						
Time of Day 1:00	Evaluation Date February 16, 2012						
Outdoor Conditions Temperature 80.4	Relative Humidity 59.3 Ambient CO2 450						
Fish Temperature Range Relative Humidity 117 72.8 72 - 78 52.7 Noticeable Odor No Visible water damage / staining? Ceiling Type 2 x 4 Lay In No Wall Type Drywall No Flooring 12 x 12 Vinyl No Clean Minor Dust Needs Cleaning Ceiling Yes No No	Range CO2 Range # Occupants 30% - 60% 638 Max 700 > Ambient 2 Visible microbial Amount of material affected No None No None Corrective Action Required						
Walls Yes No No No HVAC Supply Grills Yes No No No HVAC Return Grills Yes No No No							
Ceiling at Supply Yes No No Grills							
Surfaces in Room Yes No No							
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Findings - Blistered roof on building housing FISH 102, 103 and 117 - previously identified (EQ01697 and J533512) - Reported odor in room. Possibly from sewer vent stack on roof 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: - Temporarily raise sewer vent stack above level of the fresh air intake and monitor for odor dissipation - NOTE: Work orders EQ02314 through EQ02316 generated 3-6-12							

IAQ Assessment

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