

September 7, 2007

managing risk with responsibility

Telephone: 754-321-3200

Jeffrey S. Moquin, Director Risk Management Department

ment Facsimile: 754-321-3290

TO: Ms. Elise Portman, Principal

Cypress Elementary School

FROM: Robert Krickovich, Coordinator, LEA

Facilities and Construction Management

Signature on File

SUBJECT: Indoor Air Quality (IAQ) Assessment

FISH 104 and 105

On August 31, 2007 I conducted a follow-up assessment of FISH 104 and 105 at **Cypress Elementary School**. The assessment consisted of a reevaluation walkthrough of the previously identified area to assess the current condition of the location with regard to indoor air quality. This assessment included reviewing previously generated work orders as well as observation of the area of concern as stated in the IAQ Assessments performed on January 22, 2007. Attached are the findings of this assessment along with recommendations for further assessment, remediation, or corrective actions, if 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. 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. Joanne Harrison, Area Superintendent
Jackie Haywood, Area Director
Jeffrey S. Moquin, Director, Risk Management
Sam Bays, Project Manager, Facilities and Construction Management
Lynn Cavall, 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.

	Сур	ress Elementary	/ School		Evaluat	ion Requested	August 30, 20	007
Time of Day	11:00 am				ı	Evaluation Date	August 31, 2	007
Outdoor Condi	tions Tem	perature 8	4.6	Relative Humidity	65.3	Ambie	nt CO2 425	
Fish 104		Range Relat	ive Humidity 58.8	Range 30% - 60%	CO2	Ran Max 700	ge # Occı > Ambient	ipants
Noticeable Od		V	isible water age / staining	Visible micr	obial	Amount of ma		
Ceiling Type	2 x 4 Lay	In	Yes	No		3 ce	eiling tiles	
Wall Type	Tackboar	d	No	No			None	
Flooring	Carpet		No	No			None	
	Clean	Minor Dust / Debris	Needs Cleaning		Corre	ctive Action Re	equired	
Ceiling	No	Yes	Yes	F	Remove a	and replace cei	ling tiles	
Walls	Yes	No	No					
Flooring	Yes	No	No					
HVAC Supply	Grills No	Yes	Yes	(Clean wit	h Wexcide disi	nfectant	
HVAC Return (Grills Yes	No	No					
Ceiling at Sup Grills	ply Yes	No	No					
Surfaces in Ro	oom Yes	No	No					
bservations								
Findings: - Noticeable odd	or in room	of the cooperation	ont Odonius		in Alain s	۵/۸ ما ما داد ما داد ما	a# aa it waa in Fl	ICII

IAQ Assessment

1781

Location Number

- A/C unit was not on at the time of the assessment. Odor was not as prevalent in this room with the A/C off as it was in FISH 105 with the A/C on.
- Minor dust and debris on HVAC supply grills
- A/C unit above ceiling insulation on chilled water lines is damaged and dripping onto ceiling tiles 3 stained ceiling tiles

Recommendations:

Site Based Maintenance:

- Clean HVAC supply grills with Wexcide disinfectant solution
- 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:

- Clean inside of A/C unit and duct work
- Evaluate insulation on chilled water lines and repair/replace as appropriate. Remove and replace ceiling tiles as appropriate.

Previous work order EQ00854

	Cypress Ele	ementary School		Evaluation R	equested August 30, 2007				
Time of Day	11:00 am			Evalu	ation Date August 31, 2007				
Outdoor Condition	ns Temperatu	re 84.6	Relative Humidity	65.3	Ambient CO2 425				
Fish Tem 105 Noticeable Odor	perature Range 68.4 72 - 78 Yes	Relative Humidity 62 Visible water damage / staining	30% - 60% Visible micro		Range # Occupants Max 700 > Ambient 2 ount of material affected				
Ceiling Type	2 x 4 Lay In	No	No		None				
Wall Type	Tackboard	No	No		None				
Flooring	Carpet	No	No		None				
	Clean Minor / De	· Dust Needs bris Cleaning	1	Corrective	Action Required				
Ceiling	Yes	No No							
Walls	Yes	lo No							
Flooring	Yes	No No							
HVAC Supply Gril	lls No	Yes		Clean with We	excide disinfectant				
HVAC Return Gril	Is Yes N	No No							
Ceiling at Supply Grills	Yes	No No							
Surfaces in Room	Yes	o No							
Dbservations									
Findings: - Noticeable odor in room - A/C unit was on at the time of the assessment. However, it was set to 65 degrees. Odor was more prevalent in this room with the A/C on than it was in FISH 104 with the A/C off Minor dust and debris on HVAC supply grills -Recommendations:									
Site Based Maintenance: - Set thermostat to 75 degrees - Clean HVAC supply grills with Wexcide disinfectant solution - Continue to monitor this location for any signs of microbial growth as well as dust and debris accumulation and clean as appropriate									
	C unit and duct work								
Previous work orde	· EQ00854								

IAQ Assessment

1781

Location Number