

SUBJECT:

managing risk with responsibility

Aston A. Henr	y, Supervisor	Telephone: 754 321-1900					
Risk Managem	ent Department	Fax:	754 321-1917				
June 13, 2011	Signature on File	For Custodial Supervisor Use Only					
TO:	Mr. Lincoln Pasteur, Principal Collins Elementary School		ues Addressed				
FROM:	Edward See, Project Manager Risk Management Department						

On February 3, 2011 I conducted an assessment of Portable 1096PK and 1289PK and FISH 506 at Collins 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.

Indoor Air Quality (IAQ) Assessment Portable 1096PK, 1289PK and FISH 506

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 754-321-1900.

Cc: Dr. Joel Herbst, Area Superintendent
 Valerie Wanza, Area Director
 Jeffrey S. Moquin, Executive Director, Support Operations
 Mark Dorsett, Acting Director, Physical Plant Operations Division, Maintenance
 Sonja Coley, Project Manager, Facilities and Construction Management
 Jamie Daniels, Broward Teachers Union
 Roy Jarrett, Federation of Public Employees
 Roy Norton, Manager Custodial/Grounds, Physical Plant Operations Division
 Robert Krickovich, Coordinator, LEA, Facilities and Construction Management

ES/tc Enc.

	Co	ollins Elementar	/ School		Evaluati	on Requested	Januar	y 18, 2011
Time of Day]			E	valuation Date	Februa	ry 3, 2011
Outdoor Condition	ons Ter	mperature 8	3.5	Relative Humid	ity 74.1	Ambien	nt CO2	389
		Range Rela	ive Humidity	Range	CO2	Rang	ge #	Occupants
P-1096PK	71.3	72 - 78	67.6	30% - 60%	428	Max 700 >	> Ambien	t 2
Noticeable Odo	r Yes		/isible water age / staining?	Visible mid?		Amount of material affect	ed	
Ceiling Type	2 x 4		No	No			None	
Wall Type	Homaso	te	Yes	No		V	arious	
Flooring	12 x 12 V	nyl	No	No			None	
	Clean	Minor Dust / Debris	Needs Cleaning		Correc	ctive Action Rec	quired	
Ceiling	Yes	No	No					
Walls	Yes	No	No					
Flooring	Yes	No	No					
HVAC Supply G	irills Yes	No	No					
HVAC Return G	rills Yes	No	No					
Ceiling at Supp Grills	ly Yes	No	No					
Surfaces in Roo	om No	Yes	Yes		Clea	an as appropria	ite	

IAQ Assessment

0331

Location Number

Observations

Findings

- Strong Wexcide odor in restroom
- Elevated moisture content in 3 of the 4 interior walls. Exterior T-1-11 panels saturated.
- Walls painted with non-approved paint
- Humidity level was elevated
- Dust build up on environmental surfaces

Site Based Maintenance:

- Ensure Wexcide is mixed properly
- Ensure paint is approved by Risk Management prior to painting
- 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 for cause of water intrusion and repair as appropriate. Repair/replace wall material and T-1-11 panels as necessary.
- Evaluate HVAC system for proper operation and repair as appropriate to lower humidity level

NOTE: Work orders EQ01614 and EQ01615 generated 2/18/11

	С	ollins Elemen	tary School		Evaluati	ion Requested	January	/ 18, 2011
Time of Day					E	Evaluation Date	Februa	ry 3, 2011
Outdoor Conditi	ons Te	mperature	83.5	Relative Humidity	74.1	Ambier	it CO2	389
	emperature		elative Humidity	Range	CO2	Rang	•	Occupants
P-1289PK	75.2	72 - 78	67.9	30% - 60%	723	Max 700 >	> Ambient	14
Noticeable Odo	or No]	Visible water damage / staining	Visible micro? growth?		Amount of material affect	ed	
Ceiling Type	2 x 4		Yes	No		@1 s	quare foot	
Wall Type	Homaso	ote	Yes	No		V	arious	
Flooring	12 x 12 V	'inyl	No	No			None	
	Clean	Minor Dus	st Needs Cleaning		Correc	ctive Action Red	quired	
Ceiling	No	Yes	Yes		Evaluate	for cause of st	taining	
Walls	Yes	No	No					
Flooring	Yes	No	No					
HVAC Supply G	Grills Yes	No	No					
HVAC Return G	rills Yes	No	No					
Ceiling at Supp Grills	ly Yes	No	No					
Surfaces in Roc	om No	Yes	Yes		Clea	an as appropria	ite	

IAQ Assessment

0331

Location Number

Observations

Findings

- Humidity level was elevated
- Dust build up on environmental surfaces
- Strong Wexcide odor in restroom
- Stained ceiling tile and wall in restroom

Site Based Maintenance:

- Clean environmental surfaces throughout the room
- Ensure Wexcide is mixed properly
- 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 as appropriate to lower humidity level
- Evaluate cause of stained ceiling tile and wall in restroom and repair as appropriate. Repair/replace ceiling and wall material as necessary.

NOTE: Work orders EQ01616 and EQ01617 generated 2/18/11

		(Collins Elem	entary Schoo	<u> </u>		Evaluat	ion Requested	Januai	ry 18, 2011
Time of Day							ı	Evaluation Date	Februa	ary 3, 2011
Outdoor Cond	itions	Te	emperature	83.5	Rela	tive Humi	dity 74.	1 Ambie	nt CO2	389
Fish 506	Tempe	rature 4.8	Range	Relative Hum 57.1		ange	CO2 415	Ran	•	# Occupants
Noticeable Oc		No No	72 - 78	Visible w	ater	- 60% Visible m grow	icrobial	Amount of material affect		it
Ceiling Type		Tectu	ım	Yes]	No			square foo	ot
Wall Type		Dryw	all	No]	No	,		None	
Flooring		12 x 12	Vinyl	No]	No			None	
		Clean	Minor D / Debr	uot	eds ning		Corre	ctive Action Re	quired	
Ceiling		No	Yes	Y	es		Evaluat	e for cause of s	taining	
Walls		Yes	No		lo [
Flooring		Yes	No		lo [
HVAC Supply	Grills	Yes	No		lo [
HVAC Return	Grills	No	Yes	Y	es		Clean wi	th Wexcide dis	nfectant	
Ceiling at Sup Grills	ply	Yes	No		lo [
Surfaces in Ro	oom	No	Yes	Y	es [Cle	an as appropri	ate	

IAQ Assessment

0331

Location Number

Observations

Findings

- Dust build up on environmental surfaces
- Strong Wexcide odor in restroom
- Stained ceiling material (@1 square foot)
- A/C was turned off and return vent blocked with chair and floor mats

Site Based Maintenance:

- Clean environmental surfaces throughout the room
- Ensure Wexcide is mixed properly
- Ensure that all supply and return grills are not blocked
- 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 cause of stained ceiling material and repair as appropriate. Repair/replace ceiling material as necessary and paint.

NOTE: Work order EQ01618 generated 2/18/11