

managing risk with responsibility

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September 5,	2007 Signature on File	For
TO:	Mr. Raymond LeFevre, Principal Westchester Elementary School	
FROM:	Robert Krickovich, Coordinator, LEA Facilities and Construction Management	
SUBJECT:	Indoor Air Quality (IAQ) Assessment FISH 116 and 132	

F	or Custodial Supervisor Use Only
	Custodial Issues Addressed
	Custodial Issues Not Addressed
-	

On August 13, 2007 I conducted an assessment of FISH 116 and 132 at **Westchester 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. 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 Sharon Airaghi, Area Director Jeffrey S. Moquin, Director, Risk Management Denise Cone, Project Manager, Facilities and Construction Management Gary Itzkowitz, 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.

			IAQ Ass	sessment	Location Number	2681
Westchester Elementary School				Evaluation Requeste	August 10, 2007	
Time of Day	11:50 am]			Evaluation Da	ate August 13, 2007
Outdoor Cond	litions Te	mperature [92	Relative Humidity	56.1 Am	bient CO2 541
	Temperature	Range R	elative Humidity	Range		Range # Occupants
116	69.8	72 - 78	53.7	30% - 60%	560 Max 7	'00 > Ambient 1
Noticeable Oc	dor No] d	Visible water Jamage / staining	Visible micro growth?	bial Amount of affect	ed
Ceiling Type	2 x 4 La	y In	No	No		None
Wall Type	Tackboa	ard	No	No		None
Flooring	12 x 12 V	'inyl	No	No		None
	Clean	Minor Dus / Debris			Corrective Action	Required
Ceiling	Yes	No	No			
Walls	No	Yes	Yes		Clean as appro	priate
Flooring	Yes	No	No			
HVAC Supply	Grills Yes	No	No			
HVAC Return	Grills				N/A - through ligh	t fixtures
Ceiling at Sup Grills	oply Yes	No	No			
Surfaces in R	oom Yes	No	No			

Observations

Findings:

- Dead roaches in sink cabinet and insect debris in top drawer of sink cabinet

- Heavy dust and debris on wall behind teacher's desk - between cabinet and wall

- Temperature was low

- FISH 104 - HVAC room is being used as a storage area (boxes, chairs, carts, stage platforms, water jugs). Filters on all three units are clean. Unit with access panel has approximately 1/2 inch of standing water in the pan and a minor amount of slime build up.

-Recommendations:

Site Based Maintenance:

- Clean dead roaches and and insect debris from sink cabinet and drawers

- Clean wall behind teacher's desk
- Adjust thermostat to increase temperature
- Remove items that are being stored in FISH 104

- 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:

- Initiate a work order for pest control

- FISH 104 - clean all three HVAC units and associated duct work

			IAQ Ass	sessment	Location N	lumber	2681	
Westchester Elementary School				Evaluation	Requested	August	10, 2007	
Time of Day	11:50 am				Eval	uation Date	August	13, 2007
Outdoor Conditi	ions Terr	perature	92	Relative Humidity	56.1	Ambie	nt CO2	541
Fish Te	emperature	Range Re	elative Humidity	Range	CO2	Ran	ge #	Occupants
132	73.9 7	2 - 78	53.3	30% - 60%	578	Max 700	> Ambient	2
Noticeable Odd	or No	da	Visible water amage / staining	Visible micro ? growth?	obial Ar	nount of ma affected	terial	
Ceiling Type	2 x 4 Lay	In	No	No			None	
Wall Type	Wall Type Tackboard		Yes	No		See below		
Flooring	12 x 12 Vir	nyl	No	No			None	
	Clean	Minor Dus / Debris	t Needs Cleaning		Corrective	e Action Re	equired	
Ceiling	Yes	No	No					
Walls	No	Yes	Yes		Clean a	is appropri	ate	
Flooring	Yes	No	No					
HVAC Supply G	Grills Yes	No	No					
HVAC Return G	Grills				N/A - thro	ugh light fix	ctures	
Ceiling at Supp Grills	ly Yes	No	No					
Surfaces in Roc	om Yes	No	No					

Observations

Findings:

- One water damaged wall panel over sink cabinet (dry at the time of the assessment)

- Dust and debris on wall between cabinet and restroom wall

- One stained ceiling tile over cabinet in corner and one stained ceiling tile at HVAC supply grill by door to room

- FISH 104 - HVAC room is being used as a storage area (boxes, chairs, carts, stage platforms, water jugs). Filters on all three units are clean. Unit with access panel has approximately 1/2 inch of standing water in the pan and a minor amount of slime build up.

-Recommendations:

Site Based Maintenance:

- Clean wall between cabinet and restroom wall

- Remove items that are being stored in FISH 104

- 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 staining on wall over sink cabinet and on ceiling tiles over cabinet in corner and at HVAC supply grill by door to room and repair as appropriate. Repair or replace wall material and stained ceiling tiles as appropriate.
FISH 104 - clean all three HVAC units and associated duct work