

managing risk with responsibility

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November 12, 2009		Signature on File	For Custodial Supervisor Use Only		
TO:		Morrison, Principal ills Elementary School	Custodial Issues Addressed Custodial Issues Not Addressed		
FROM:		e, Project Manager gement Department			
SUBJECT:	Indoor Air FISH 503	Quality (IAQ) Assessment			

On November 10, 2009, I conducted an assessment of FISH 503 at **Country Hills 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 754-321-1900.

cc:	Sharon Airaghi, Area Superintendent						
	David Hall, Area Director						
	Jeffrey S. Moquin, Executive Director, Support Operations						
	Aston Henry, Supervisor, Risk Management						
	Phil Kaufold, 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						
	Robert Krickovich, Coordinator, LEA, Facilities and Construction Management						
ES/tc							
Enc.							

			IAQ Ass	sessment	Location Number	3111
	Country	Hills Elementary	/ School		Evaluation Requested	November 6, 2009
Time of Day	2:30 pm				Evaluation Date	November 10, 2009
Outdoor Condition	s Ten	nperature 8	5.8	Relative Humidity	49.8 Ambie	ent CO2 391
Fish Temp	erature	Range Relat	ive Humidity	Range	CO2 Rar	nge # Occupants
503	72.2 7	2 - 78	57.8	30% - 60%	1444 Max 700	> Ambient 2
Noticeable Odor	No		'isible water age / staining	Visible micro ? growth?	bial Amount o material affeo	
Ceiling Type	2 x 4 Lay	In	No	No		None
Wall Type	Drywall		No	No		None
Flooring	12 x 12 Vi	nyl	No	No		None
	Clean	Minor Dust / Debris	Needs Cleaning		Corrective Action Re	equired
Ceiling	Yes	No	No			
Walls	Yes	No	No			
Flooring	Yes	No	No			
HVAC Supply Grill	s Yes	No	No			
HVAC Return Grill	s Yes	No	No			
Ceiling at Supply Grills	Yes	No	No			
Surfaces in Room	No	Yes	Yes		Clean as appropri	ate

Observations

Findings:

- Occupant complaint of allergies requested air purifier and dehumidifier
- Humidity level was more than 10% higher than outdoor reading and CO2 level was slightly elevated at the time of the assessment
- Non-approved chemicals in room (Glad air fresheners)
- 1" thick throw rug in room heavy dust and debris build up. Rug not supplied by SBBC.
- Pillow cases in room have odor potential allergen source
- Dust build up on environmental surfaces and excessive clutter in room

Site Based Maintenance:

- Remove non-approved chemicals from room
- Occupant to thoroughly clean rug to remove dust and debris. If unable to clean properly rug needs to be removed.
- Occupant to launder pillow cases frequently

- Encourage occupant to reduce clutter to assist site based staff with cleaning efforts. Thoroughly clean surfaces throughout the room once clutter has been reduced.

- 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 and CO2 level