

managing risk with responsibility

Jeffrey S. Moquin, Director Risk Management Department

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Signature on File

TO: Mr. Kelvin Lee, Principal

McNicol Middle School

FROM: Robert J. Krickovich, Coordinator, LEA

Facilities and Construction Management, Environmental Division

SUBJECT: Indoor Air Quality (IAQ) Assessment

FISH 126

On September 7, 2006 I conducted an assessment of FISH 126 at **McNicol Middle 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.

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: Sam Gregg, Area Superintendent
Margaret Underhill, Area Director
Jeffrey S. Moquin, Director, Risk Management
Bob Sharps, Project Manager, Facilities and Construction Management
Diane Watts, Broward Teachers Union
Mark Dorsett, Manager 1, Physical Plant Operations Division, Zone 1
Roy Norton, Manager Custodial/Grounds, Physical Plant Operations Division

RK/tc Enc.

McNicol Middle School					Evaluati	Evaluation Requested [per 7, 2006
Time of Day 11:45 am					E	Evaluation Date September 7		per 7, 2006
Outdoor Conditions Temperature 91.8 Relative Humidit						Ambie	nt CO2	497
Fish 1		Range Re	elative Humidity 66.2	Range 30% - 60%	CO2 584	Ran Max 700	ge # > Ambien	Occupants
Noticeable Odor No			Visible water Visible micro damage / staining? growth?			Amount of material affected		
Ceiling Type	2 x 4 Lay	['] In	No	N	0		None	
Wall Type	Drywall/Pla	aster	Yes	N	0	10 L	inear Feet	
Flooring	12 X 12 vi	nyl	No	N	0		None	
	Clean	Minor Dus / Debris	t Needs Cleaning		Correc	ctive Action Re	quired	
Ceiling	Yes	No	No					
Walls	Yes	No	No					
Flooring	Yes	No	No					
HVAC Supply	Grills Yes	No	No					
HVAC Return (Grills Yes	No	No					
Ceiling at Supp Grills	oly No	Yes	Yes		Clea	an as appropri	ate	
Surfaces in Ro	oom Yes	No	No					
bservations								
Findings:								

IAQ Assessment

0481

Location Number

- Elevated moisture content in wall at door (35%). Wall backs up to womens restroom and both sides of wall are wet.
- Exterior wall under window is dry
- Dust and debris on ceiling at HVAC supply grills

Recommendations:

Site Based Maintenance:

- Clean ceiling at HVAC supply grills as appropriate
- 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 moisture in wall at door (backs up to womens restroom) and repair. Repair/replace water damaged wall material as appropriate - both sides of wall. May have been a bad grout joint in restroom allowing water under the tile into the wall material.