

managing risk with responsibility

Telephone: 754-321-3200 Facsimile: 754-321-3290

Jeffrey S. Moquin, Director Risk Management Department

September 25, 2006 Signature on File

TO: Mr. James Neer, Principal

Crystal Lake Middle School

FROM: Aston A. Henry, Jr., Supervisor

Risk Management Department

SUBJECT: Indoor Air Quality (IAQ) Assessment

FISH 119A and 119B

On September 14, 2006 I conducted an assessment of FISH 119A and 119B at **Crystal Lake 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. 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 754-321-3200.

cc: Dr. Joanne Harrison, Area Superintendent

Jackie Haywood, Area Director

Jeffrey S. Moquin, Director, Risk Management

Dave DeWald, Project Manager, Facilities and Construction Management

Jamie Daniels, Broward Teachers Union

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

AAH/tc Enc.

Time of Day	3:30 pm				E	Evaluation Date September 14, 2006		
Outdoor Condition	ons Tem	perature	91.3	Relative Humid	ity 47.2	Ambient CO2 323		
Fish Te	mperature	Range Rel	ative Humidity	Range	CO2	Range # Occupants		
119A	74.3 7	2 - 78	57.1	30% - 60%	743	Max 700 > Ambient 3		
Noticeable Odor		dar	Visible water mage / staining	<u> </u>		Amount of material affected		
	Ceiling Type Drywall		No	No		None		
	Wall Type Drywall			No		None		
Flooring	Tile		No	No		None		
	Clean	Minor Dust / Debris	Needs Cleaning		Correc	ctive Action Required		
Ceiling	Yes	No	No					
Walls	Yes	No	No					
Flooring	Yes	No	No					
HVAC Supply Gr	rills Yes	No	No					
HVAC Return Gr	ills Yes	No	No					
Ceiling at Supply Grills	Yes	No	No					
Surfaces in Room No Yes			Yes		an as appropriate			
Observations Findings: - No signs of visible - Environmental pae - Dust and debrise Recommendation Site Based Mainte - Remove all items - Continue to monical appropriate	arameters were on environmer ns: enance: s from environr	e acceptable a stal surfaces th mental surfaces	t the time of th roughout the r	oom nly clean	dust and de	ebris accumulation and clean as		

IAQ Assessment

Crystal Lake Middle School

1871

September 12, 2006

Location Number

Evaluation Requested

		Crystal Lake	e Middle Schoo	<u>ol</u>	Eva	aluation Requested	Septembe	er 12, 2006	
Time of Day	3:30 pm					Evaluation Date	Septembe	er 14, 2006	
Outdoor Cond	itions T	Temperature	e 91.3	Relative H	lumidity 2	47.2 Ambie	nt CO2	323	
Fish	Temperature	Range	Relative Hur	^{midity} Range	CO2	2 Ran	ge #	Occupants	
119B	74.7 72 - 78		58.6	30% - 60%	740	0 Max 700	Max 700 > Ambient		
Noticeable Odor No			Visible w damage / st		ble microbial growth?	7 01			
Ceiling Type	Ceiling Type Drywall		Yes No		No	Various			
Wall Type	Drywall		No]	No	None			
Flooring	Tile	Tile]	No		None		
	Clean	Minor / Deb	oris Clea	eeds aning		orrective Action Re			
Ceiling	No	Ye	s Y	'es Rer	nove and re	place ceiling mater	rial as app	ropriate	
Walls	Yes	No	1 c	No					
Flooring	Yes	No	<u>1</u>	No					
HVAC Supply	Grills Yes	No	<u>1</u>	No					
HVAC Return	Grills Yes	No	1 0	No					
Ceiling at Sup Grills	oply No	Ye	s Y	'es		Clean as appropri	ate		
Surfaces in Ro	oom No	Yes	s Y	'es	Clean as appropriate		ate		
bservations									
- Dust and debr	ll parameters viris on ceiling a	were accepta at HVAC sup	able at the time	e of the assessme	ent				

IAQ Assessment

1871

Location Number

Recommendations:

- Site Based Maintenance:
 Clean ceiling at HVAC supply grills
 Remove all items from environmental surfaces and thoroughly clean
 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 leaks and repair. Remove and replace ceiling material as appropriate.