

managing risk with responsibility

Jeffrey S. Moquin, Director Risk Management Department

November 18, 2005

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Signature on File

TO: Ms. Mary Ellen Bouchie-Vos, Principal

Mirror Lake Elementary School

FROM: Kenneth I. Partee, Project Manager, Occupational Health and Environmental

Control

Risk Management Department

SUBJECT: Indoor Air Quality (IAQ) Assessment

FISH 127

On November 8, 2005 the IAQ Assessment Team conducted an assessment of FISH 127 at Mirror Lake Elementary School. The evaluation consisted of a walkthrough of the identified areas to assess the current condition of the location with regard to indoor air quality. This assessment included observations of the carpet, floor tile, ceiling tile, interior walls, false ceiling plenum, and accessible ventilation equipment.

Attached are the findings of this assessment along with recommendations for further assessment, remediation, or corrective actions, if needed.

Generally, the IAQ Assessment did not identify any existing conditions significantly impacting IAQ and thereby presenting immediate health and safety concerns 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. Verda Farrow, Area Superintendent

David Goldstein, Area Director

Jeffrey S. Moquin, Director, Risk Management

Wayne Thrasher, Project Manager II, Facilities and Construction Management

Gary Itzkowitz, 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

KP/tc Enc.

The School Board of Broward County, Florida

Mirror Lake Elementary School						Evaluation Requested November 8, 200		
Time of Day	1:36 pm		_		E	Evaluation Date	Novembe	er 8, 2005
Outdoor Cond	litions T	emperature	84.5	Relative Humidity	55.5	Ambie	nt CO2	548
Fish	Temperature	Range	Relative Humidity	Range	CO2	Ran	ige #	Occupants
127	71.9	72 - 78	58.2	30% - 60%	908	Max 700	> Ambient	3
Noticeable Odor Yes			Visible water Visible micro damage / staining? growth?		obial	Amount of material affected		
Ceiling Type	2 x 4 Lay In		Yes	No		Outside of FISH 127		27
Wall Type	Drywall		Yes	Yes		West wall		
Flooring	Tile	•	No	No		None		
	Clean	Minor D / Debri		I	Correc	ctive Action Re	equired	
Ceiling	No	Yes	Yes		Replace ceiling tiles			
Walls	No	Yes	Yes	Clean	with We	excide disinfec	tant soluti	on
Flooring	No	Yes	Yes	Yes Clo			ze	
HVAC Supply	Grills Yes	No	No					
HVAC Return	Grills Yes	No	No					
Ceiling at Sup Grills	oply Yes	No	No					
Surfaces in R	oom No	Yes	Yes		Clea	an as appropri	ate	

IAQ Assessment

1841

Location Number

Observations

Findings:

- Visible microbial growth on West wall
- Elevated moisture readings on West wall
- Possible moisture intrusion from room above FISH 127 (AHU pans or leak)
- Stained ceiling tiles outside of FISH 127 door
- Dust and debris on floor
- Dust and debris on environmental surfaces

Recommendations:

Site Based Maintenance:

- Clean West wall with Wexcide disinfectant solution
- Clean and sanitize floor
- Clean environmental surfaces 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 Division:

- Evaluate cause of moisture and microbial growth on West wall and repair/replace drywall as appropriate
- Evaluate room above FISH 127 for possible moisture intrusion (AHU pans or leak)
- Evaluate cause of stained ceiling tiles outside of FISH 127 and repair. Replace ceiling tiles as appropriate

Hurricane Related