

# managing risk with responsibility

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Jeffrey S. Moquin, Director Risk Management Department

September 21, 2005 Signature on File

TO: Mr. Martin Reid, Principal

Lauderdale Lakes Middle School

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

Control

Risk Management Department

SUBJECT: Indoor Air Quality (IAQ) Assessment

**FISH 176H** 

On August 22, 2005 the IAQ Assessment Team conducted an assessment of FISH 176H at Lauderdale Lakes Middle 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. Harry LaCava, Area Superintendent

Fran Bolden, Area Director

Jeffrey S. Moquin, Director, Risk Management

Israel Rodriguez-Soto, Project Manager II, Facilities and Construction Management

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KP/tc Enc.

Lauderdale Lakes Middle School					Evaluation Requested August 19, 20			19, 2005
Time of Day	12:30 pm		<del></del>		ı	Evaluation Date	August	22, 2005
Outdoor Cond	litions To	emperature	94.6	Relative Hum	idity 53.8	B Ambie	nt CO2	497
Fish	Temperature	Range	Relative Humidity	<sup>/</sup> Range	CO2	Ran	ge #	Occupants
176H	89.7	72 - 78	65.1	30% - 60%	845	Max 700	> Ambient	1
Noticeable Odor No			Visible water Visible micr damage / staining? growth?			Amount of material affected		
Ceiling Type	Concr	Concrete		No No		None		
Wall Type	Concrete		Yes		es	Entire Rear Wall		
Flooring	Tile		No	N	lo	None		
	Clean	Minor D / Debri		J	Corre	ctive Action Re	equired	
Ceiling	No	No Yes Yes			Clean as appropriate			
Walls	No	No Yes Yes			Clean with Wexcide disinfectant			
Flooring	Yes	No	No					
HVAC Supply Grills						N/A		
HVAC Return	Grills No	Yes	Yes		Clean wit	th Wexcide disi	nfectant	
Ceiling at Sup Grills	oply No	Yes	Yes		Cle	an as appropria	ate	
Surfaces in R	oom No	Yes	Yes		Cle	an as appropria	ate	

IAQ Assessment

1701

August 19, 2005

**Location Number Evaluation Requested** 

## **Observations**

#### Findings:

- Visible microbial growth on rear wall
- Boxes are stacked too close to walls
- Exhaust fan is not working
- Dust on ceiling at supply grills and various other areas throughout the room
- Dust observed on environmental surfaces
- Dust and debris on HVAC supply grills in 176H and 176J (office)
- Temperature was elevated
- Humidity level was slightly elevated

#### Recommendations:

## Site Based Maintenance:

- Clean rear wall with Wexcide disinfectant solution
- Stack boxes at least one inch away from the wall so as not to trap moisture
- Clean ceiling at supply grills and throughout room as appropriate
- Clean HVAC supply grills in 176H and 176J with Wexcide disinfectant solution
- 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 and repair/replace exhaust fan as appropriate
- Evaluate and repair HVAC system to lower temperature and humidity level