

Jeffrey S. Moquin, Director
Risk Management Department

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

March 5, 2007

Signature on File

TO: Ms. Brenda Hawkes, Principal
Panther Run Elementary School

FROM: Robert J. Krickovich, Coordinator, LEA
Facilities and Construction Management, Environmental Division

SUBJECT: Indoor Air Quality (IAQ) Assessment
FISH 103B

On February 20, 2007 Richard Rosa conducted an assessment of FISH 103B at **Panther Run 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.

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
Steven Friedman, Area Director
Jeffrey S. Moquin, Director, Risk Management
Steve Dowling, Project Manager, Facilities and Construction Management
Steve Feldman, 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.

IAQ Assessment

Panther Run Elementary School

Location Number 3571
 Evaluation Requested January 22, 2007
 Evaluation Date February 20, 2007

Time of Day 11:30 am

Outdoor Conditions Temperature 72.4 Relative Humidity 50.1 Ambient CO2 424

Fish	Temperature	Range	Relative Humidity	Range	CO2	Range	# Occupants
103B	74.7	72 - 78	49.6	30% - 60%	856	Max 700 > Ambient	1
Noticeable Odor	No		Visible water damage / staining?	Visible microbial growth?	Amount of material affected		
Ceiling Type	Drywall		No	Yes	1 square foot		
Wall Type	Drywall		No	Yes	2 square foot		
Flooring	Vinyl Sheet		No	No	None		

	Clean	Minor Dust / Debris	Needs Cleaning	Corrective Action Required
Ceiling	No	Yes	Yes	Clean with Wexcide disinfectant
Walls	No	Yes	Yes	Clean with Wexcide disinfectant
Flooring	Yes	No	No	
HVAC Supply Grills				No A/C Vents
HVAC Return Grills				No A/C Vents
Ceiling at Supply Grills				No A/C Vents
Surfaces in Room	Yes	No	No	

Observations

Findings: Restroom

- Visible microbial growth on walls and ceiling
- Exhaust fan is not functioning
- Dust build up on exhaust fan grill
- Temperature in adjacent hallway was 69.9 degrees

-Recommendations:

Site Based Maintenance:

- Clean walls and ceiling with Wexcide disinfectant solution and monitor until exhaust fan has been repaired
- Thoroughly clean exhaust fan grill
- 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:

- Repair/replace exhaust fan
- Evaluate HVAC system servicing hallway for proper operation and adjust as appropriate. Temperature in the adjacent hallway was 69.9 degrees.