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October 12, 2005

Signature on File

TO: Mr. Scott Fiske, Principal
Western High School

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

SUBJECT: Indoor Air Quality (IAQ) Assessment
FISH 617

On September 21, 2005 the IAQ Assessment Team conducted an assessment of FISH 617 at **Western High 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 754-321-1638.

cc: Dr. Verda Farrow, Area Superintendent
Kevin Sawyer, Area Director
Jeffrey S. Moquin, Director, Risk Management
Drew Lippman, Project Manager II, Facilities and Construction Management
Ralph Eckhardt, 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

Location Number 2831
 Evaluation Requested September 21, 2005
 Evaluation Date September 21, 2005

Western High School

Time of Day 12:55 pm

Outdoor Conditions Temperature 87.6 Relative Humidity 81.9 Ambient CO2 618

Fish	Temperature	Range	Relative Humidity	Range	CO2	Range	# Occupants
617	72.2	72 - 78	67.7	30% - 60%	1790	Max 700 > Ambient	23
Noticeable Odor		Visible water damage / staining?		Visible microbial growth?		Amount of material affected	
Ceiling Type		Yes		No		6 ceiling tiles	
Wall Type		Yes		No		50 square feet	
Flooring		Yes		No		24 square feet	

	Clean	Minor Dust / Debris	Needs Cleaning	Corrective Action Required
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 Supply Grills	Yes	No	No	
Surfaces in Room	Yes	No	No	

Observations

Findings:

- Signs of water intrusion around windows - plaster is crumbling
- 3 stained ceiling tiles under roof drain and 3 stained ceiling tiles along exterior water damaged wall
- Signs of water intrusion on carpet
- Roof top flashing cracks, holes and missing from East side

Recommendations:

Site Based Maintenance:

- Replace stained ceiling tiles
- Use extraction machine to thoroughly remove water from carpet
- 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 cause of water intrusion around windows and replace walls as necessary (plaster is crumbling)
- Evaluate for roof leaks and cause of stained ceiling tiles and repair as appropriate
- Evaluate cause of water intrusion to carpeting and repair as appropriate