

Jeffrey S. Moquin, Director
Risk Management Department

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

February 16, 2007

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 401D

On February 2, 2007 Richard Rosa conducted an assessment of FISH 401D at **Western High 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: Dr. Verda Farrow, Area Superintendent
Joel Herbst, Area Director
Jeffrey S. Moquin, Director, Risk Management
James Carballo, Project Manager, 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

Western High School

Evaluation Requested February 2, 2007

Time of Day 11:30 am

Evaluation Date February 2, 2007

Outdoor Conditions Temperature 88.7 Relative Humidity 58.3 Ambient CO2 409

Fish	Temperature	Range	Relative Humidity	Range	CO2	Range	# Occupants
401D	75.6	72 - 78	71.1	30% - 60%	1343	Max 700 > Ambient	2
Noticeable Odor		Visible water damage / staining?		Visible microbial growth?		Amount of material affected	
No		No		Yes		25 square feet	
Ceiling Type	Drywall		No	Yes	25 square feet		
Wall Type	Drywall		No	No	None		
Flooring	Ceramic Tile		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 as appropriate
Flooring	Yes	No	No	
HVAC Supply Grills				N/A
HVAC Return Grills				N/A
Ceiling at Supply Grills				N/A
Surfaces in Room	No	Yes	Yes	Clean as appropriate

Observations

Findings:

- Visible microbial growth on ceiling
- Dust build up on walls
- Dust build up on environmental surfaces

- Facilities is conducting a kitchen renovation project this summer, involving the replacement of the ceiling and light fixtures and adding an A/C drop within the storage area (401D).

Recommendations:

Site Based Maintenance:

- Clean ceiling with Wexcide disinfectant and continue to monitor and clean until the renovation project begins over the summer
- Clean walls as appropriate
- Thoroughly clean environmental surfaces throughout the room
- Continue to monitor this location for any signs of microbial growth as well as dust and debris accumulation and clean as appropriate