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August 12, 2005

Signature on File

TO: Mrs. Angela Iudica, Principal
Silver Shores Elementary School

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

SUBJECT: Indoor Air Quality (IAQ) Assessment
FISH 118G

On August 8, 2005 the IAQ Assessment Team conducted an assessment of FISH 118G at **Silver Shores 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 754-321-1638.

cc: Sam Gregg, Area Superintendent
Steven Friedman, Area Director
Jeffrey S. Moquin, Director, Risk Management
Angelino Garcia, Project Manager II, 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

Silver Shores Elementary School

Evaluation Requested August 4, 2005

Time of Day 10:30 am

Evaluation Date August 8, 2005

Outdoor Conditions Temperature 84.6 Relative Humidity 69.2 Ambient CO2 444

Fish	Temperature	Range	Relative Humidity	Range	CO2	Range	# Occupants
118G	71.8	72 - 78	65.6	30% - 60%	525	Max 700 > Ambient	2
Noticeable Odor		Visible water damage / staining?		Visible microbial growth?		Amount of material affected	
No		No		No		None	
Ceiling Type	2 x 4 Lay In		No	No	None		
Wall Type	Drywall		Yes	Yes	10 square feet on cooler wall		
Flooring	Quarry Tile		Yes	Yes	Along cooler wall		

	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				Through door
Ceiling at Supply Grills	No	Yes	Yes	Clean as appropriate
Surfaces in Room	Yes	No	No	

Observations

Findings:

- Visible microbial growth on wall that backs up to cooler and on the floor along the wall
- Dehumidifier in room is not functioning
- Dust and debris on ceiling at HVAC supply grills
- Humidity level elevated

Recommendations:

Site Based Maintenance:

- Clean wall and floor with Wexcide disinfectant solution
- Move shelving out away from the wall to allow air flow
- Clean ceiling at HVAC supply grills
- 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 cooler to ensure seals are working properly and repair as necessary
- Evaluate and repair/replace drywall as appropriate
- Repair/replace dehumidifier
- Evaluate and repair HVAC system to lower humidity level