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Signature on File

TO: Mrs. Vered Roberts, Principal
Hollywood Hills Elementary School

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

SUBJECT: Indoor Air Quality (IAQ) Assessment
FISH 405

On September 27, 2006 I conducted an assessment of FISH 405 at **Hollywood Hills 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
Margaret Underhill, Area Director
Jeffrey S. Moquin, Director, Risk Management
Frank Girardi, Project Manager, Facilities and Construction Management
Diane Watts, 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 0111

Hollywood Hills Elementary School

Evaluation Requested

Time of Day 12:00 pm

Evaluation Date September 27, 2006

Outdoor Conditions Temperature 93.7 Relative Humidity 48.3 Ambient CO2 487

Fish	Temperature	Range	Relative Humidity	Range	CO2	Range	# Occupants
405	78	72 - 78	45.4	30% - 60%	1010	Max 700 > Ambient	2
Noticeable Odor		Visible water damage / staining?		Visible microbial growth?		Amount of material affected	
No		Yes		No		10-15 Leaks - 1 Severe	
Ceiling Type	12 x 12 Z-spline		Yes	No		10-15 Leaks - 1 Severe	
Wall Type	Plaster		No	No		None	
Flooring	12 x 12 Vinyl		No	No		None	

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

Observations

Findings:

- Several minor roof leaks and one severe roof leak
- Missing ceiling tile
- West window does not close
- Dust and debris on HVAC supply and return grills
- Lizard droppings on window sills and bookcases
- Dust build up on environmental surfaces
- Temperature was slightly elevated at the time of the assessment

Recommendations:

Site Based Maintenance:

- Clean HVAC supply and return grills with Wexcide disinfectant solution
- Clean window sills and bookcases to remove lizard droppings
- Thoroughly clean environmental surfaces
- 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:

- Evaluate roof for leaks and repair as appropriate and replace missing ceiling tile
- Screw West window shut
- Evaluate HVAC for proper operation and repair to lower temperature. HFSP stated that the building is scheduled to be demolished when the new classroom building is completed in April 2007.