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November 21, 2005

Signature on File

TO: Ms. Sonja Smith Braziel, Principal
Pompano Beach Middle School

FROM: Kenneth I. Partee, Project Manager, Occupational Health and Environmental
Control
Risk Management Department

SUBJECT: Indoor Air Quality (IAQ) Assessment
FISH 001 and 101B

On November 8, 2005 the IAQ Assessment Team conducted an assessment of FISH 001 and 101B at **Pompano Beach Middle 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 754-321-3200.

cc: Dr. Joanne Harrison, Area Superintendent
Jackie Haywood, Area Director
Jeffrey S. Moquin, Director, Risk Management
Jack Cooper, Senior Project Manager, Facilities and Construction Management
LaFrances Trotter, Broward Teachers Union
Mark Dorsett, Manager 1, Physical Plant Operations Division, Zone 1
Roy Norton, Manager Custodial/Grounds, Physical Plant Operations Division
Robert Krickovich, Coordinator, LEA, Facilities and Construction Management

KP/tc
Enc.

IAQ Assessment

Location Number 0021
 Evaluation Requested November 7, 2005
 Evaluation Date November 8, 2005

Pompano Beach Middle School

Time of Day 9:15 a.m.

Outdoor Conditions Temperature 88.1 Relative Humidity 49.5 Ambient CO2 519

Fish	Temperature	Range	Relative Humidity	Range	CO2	Range	# Occupants
001		72 - 78		30% - 60%		Max 700 > Ambient	
Noticeable Odor	No		Visible water damage / staining?	Visible microbial growth?	Amount of material affected		
Ceiling Type	2 x 4 Lay In		No	No	None		
Wall Type	Ribbed Wall Surface		Yes	Yes	Various		
Flooring	Carpet		No	No	None		

	Clean	Minor Dust / Debris	Needs Cleaning	Corrective Action Required
Ceiling	Yes	No	No	
Walls	No	Yes	Yes	
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: (corridor)
 - Moisture level in walls is elevated
 - Visible microbial growth on wall surfaces

Recommendations:

Site Based Maintenance:
 - 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 wall surfaces for leaks and repair/replace as appropriate (note - repairs were previously performed)

Hurricane Related

IAQ Assessment

Pompano Beach Middle School

Location Number 0021
 Evaluation Requested November 7, 2005
 Evaluation Date November 8, 2005

Time of Day .9:15 a.m.

Outdoor Conditions Temperature 88.1 Relative Humidity 49.5 Ambient CO2 519

Fish	Temperature	Range	Relative Humidity	Range	CO2	Range	# Occupants
101B	70.2	72 - 78	51.9	30% - 60%	897	Max 700 > Ambient	2
Noticeable Odor	No		Visible water damage / staining?	Visible microbial growth?	Amount of material affected		
Ceiling Type	2 x 4 Lay In		No	No	None		
Wall Type	Plaster/Wallpaper		Yes	Yes	8' x 10' area		
Flooring	Carpet		No	No	None		

	Clean	Minor Dust / Debris	Needs Cleaning	Corrective Action Required
Ceiling	Yes	No	No	
Walls	No	Yes	Yes	
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	No	Yes	Yes	Clean as appropriate

Observations

Findings:

- Wall covering is buckling and receding from wall (glue is old and has dried out)
- Particles from behind the wall covering are falling onto occupant's desk
- Dust observed on environmental surfaces
- Temperature was low at the time of assessment

Recommendations:

Site Based Maintenance:

- Clean environmental surfaces as appropriate
- Adjust thermostat to increase temperature and monitor room. If necessary call in a work order for PPO to evaluate HVAC operation.
- 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 wall covering and surface as appropriate

Hurricane Related