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August 11, 2005

Signature on File

TO: Dr. Patricia Patterson, Principal
Nob Hill Elementary School

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

SUBJECT: Indoor Air Quality (IAQ) Assessment
Portable 547C

On August 4, 2005 the IAQ Assessment Team conducted an assessment of Portable 547C at **Nob Hill 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 754-321-3200.

cc: Dr. Harry LaCava, Area Superintendent
Willie Dudley, Area Director
Jeffrey S. Moquin, Director, Risk Management
Charles Ricks, Project Manager II, Facilities and Construction Management
Gary Itzkowitz, 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

Nob Hill Elementary School

Evaluation Requested August 3, 2005

Time of Day 12:10 pm

Evaluation Date August 4, 2005

Outdoor Conditions Temperature 96.7 Relative Humidity 39.8 Ambient CO2 561

Fish	Temperature	Range	Relative Humidity	Range	CO2	Range	# Occupants
P547C	77.8	72 - 78	62.3	30% - 60%	651	Max 700 > Ambient	4
Noticeable Odor	Yes		Visible water damage / staining?		Visible microbial growth?		Amount of material affected
Ceiling Type	2 x 4 Lay In		Yes		No		3 ceiling tiles
Wall Type	Tackboard		No		No		None
Flooring	Carpet		No		No		None

	Clean	Minor Dust / Debris	Needs Cleaning	Corrective Action Required
Ceiling	No	Yes	Yes	Replace 3 ceiling tiles
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:	<ul style="list-style-type: none"> - Three stained ceiling tiles near light at rear exit (40% moisture) - Tackboard wall surfaces have elevated moisture reading (30-70%) - Dust and debris on HVAC supply and return grills - Dust and debris on environmental surfaces - Excessive condensation in light fixtures - Elevated temperature and humidity levels
Recommendations:	
Site Based Maintenance:	<ul style="list-style-type: none"> - Clean HVAC supply and return grills with Wexcide disinfectant solution - Clean environmental surfaces as appropriate - 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:	<ul style="list-style-type: none"> - Evaluate and repair cause of stained ceiling tiles and repair/replace as appropriate - Evaluate tackboard surfaces for cause of moisture and repair/replace as appropriate - Evaluate cause of condensation in light fixtures and repair as appropriate - Evaluate and repair HVAC to lower temperature and humidity