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TO: Dr. Ricardo Garcia, Principal
Nova Middle School

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

SUBJECT: Indoor Air Quality (IAQ) Assessment
FISH 601N

On July 27, 2005 the IAQ Assessment Team conducted an assessment of FISH 601N at **Nova 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 754-321-1638.

cc: Dr. Harry LaCava, Area Superintendent
Dr. Linda Bedell, Area Director
Jeffrey S. Moquin, Director, Risk Management
Juana Romaniuk, Project Manager II, Facilities and Construction Management
Dane Ramson, 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

Nova Middle School

Evaluation Requested

Time of Day

Evaluation Date

Outdoor Conditions Temperature Relative Humidity Ambient CO2

Fish	Temperature	Range	Relative Humidity	Range	CO2	Range	# Occupants
<input type="text" value="601N"/>	<input type="text" value="74.5"/>	<input type="text" value="72 - 78"/>	<input type="text" value="56.8"/>	<input type="text" value="30% - 60%"/>	<input type="text" value="643"/>	<input type="text" value="Max 700 > Ambient"/>	<input type="text" value="1"/>
Noticeable Odor		<input type="text" value="No"/>	Visible water damage / staining?		Visible microbial growth?		Amount of material affected
Ceiling Type	<input type="text" value="2 x 4 Lay In"/>		<input type="text" value="Yes"/>	<input type="text" value="No"/>	<input type="text" value="Over reception desk in 601"/>		
Wall Type	<input type="text" value="Drywall"/>		<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text" value="None"/>		
Flooring	<input type="text" value="12 x 12 Vinyl"/>		<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text" value="None"/>		

	Clean	Minor Dust / Debris	Needs Cleaning	Corrective Action Required
Ceiling	<input type="text" value="Yes"/>	<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text"/>
Walls	<input type="text" value="Yes"/>	<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text"/>
Flooring	<input type="text" value="Yes"/>	<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text"/>
HVAC Supply Grills	<input type="text" value="Yes"/>	<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text" value="See findings for 601B and 601E"/>
HVAC Return Grills	<input type="text" value="Yes"/>	<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text" value="See findings for 601B and 601E"/>
Ceiling at Supply Grills	<input type="text" value="Yes"/>	<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text"/>
Surfaces in Room	<input type="text" value="Yes"/>	<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text"/>

Observations

Findings:

- FISH 601N is connected to 601P and the only entry into 601P is through 601N
- 601P is used as a lunch room and contains the following: AS400, 2 large printers, a server, 3 computer monitors, a television, a refrigerator, 3 toaster ovens, 2 microwaves, 30 cardboard boxes filled with papers, 2 dirty upholstered chairs and a dehumidifier
- During the assessment food was being heated in 601P and smell permeated to 601N
- Dust and debris on HVAC supply and return grills in 601B and 601E
- One stained ceiling tile over reception desk in 601

Mechanical room 603 (services the Administrative area)

- Dust and debris on HVAC filters (date on filters as last being changed was 5/17/05)
- Return air duct, supply duct, coils, pan and unit are clean

Recommendations:

Site Based Maintenance:

- Clean upholstered chairs in 601P
- Limit amounts of paper and cardboard stored in 601P
- Limit activities in 601P that affect the indoor air quality of room 601N or consider relocating occupant of 601N
- Clean HVAC supply and return grills in 601B and 601E
- Replace stained ceiling tile over reception desk in 601
- Replace HVAC filters in 603
- Continue to monitor this location for any signs of microbial growth as well as dust and debris accumulation and clean as appropriate