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January 5, 2005

TO: Mr. Shawn Cerra, Principal  
**J.P. Taravella High School**

FROM: Robert J. Krickovich, Project Manager II, Environmental  
Facilities and Construction Management

SUBJECT: Indoor Air Quality (IAQ) Assessment  
FISH 501

On December 20, 2004 the IAQ Assessment Team conducted an assessment of FISH 501 at **J.P. Taravella High 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 954-760-7326.

cc: Dr. Joanne Harrison, Area Superintendent  
Ulysses Jackson, Area Director  
Jeffrey S. Moquin, Director, Risk Management  
Greg Boardman, Project Manager II, Facilities and Construction Management  
Gary Itzkowitz, Broward Teachers Union  
Mark Dorsett, Manager 1, Physical Plant Operations Division, Zone 1

RK/tc

# IAQ Assessment

J.P. Taravella High 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="501"/>	<input type="text" value="61"/>	<input type="text" value="72 - 78"/>	<input type="text" value="49.3"/>	<input type="text" value="30% - 60%"/>	<input type="text" value="470"/>	<input 1,000="" ppm)"="" type="text" value("&lt;=""/>	<input type="text" value="1"/>
Noticeable Odor		Visible water damage / staining?		Visible microbial growth?		Amount of material affected	
<input type="text" value="No"/>		<input type="text" value="No"/>		<input type="text" value="No"/>		<input type="text" value="None"/>	
Ceiling Type	<input type="text" value="Plaster"/>		<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text" value="None"/>		
Wall Type	<input type="text" value="Plaster"/>		<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text" value="None"/>		
Flooring	<input type="text" value="Carpet"/>		<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="No"/>	<input type="text" value="Yes"/>	<input type="text" value="Yes"/>	<input type="text" value="Clean HVAC Supply Grills with Wexcide"/>
HVAC Return Grills	<input type="text" value="No"/>	<input type="text" value="Yes"/>	<input type="text" value="Yes"/>	<input type="text" value="Clean HVAC Return Grills with Wexcide"/>
Ceiling at Supply Grills	<input type="text" value="No"/>	<input type="text" value="Yes"/>	<input type="text" value="Yes"/>	<input type="text" value="Clean Dust from Ceiling"/>
Surfaces in Room	<input type="text" value="Yes"/>	<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text"/>

## Observations

<b>Findings:</b>	<ul style="list-style-type: none"> <li>- Dust and debris on HVAC supply grills</li> <li>- Dust and debris on HVAC return grills</li> <li>- Surface dust on ceiling</li> <li>- Temperature is not within acceptable range</li> <li>- AHU Room 805 - Filters are clean, pan is clean and dry, inside of unit is clean and coils are clean</li> <li>- Linkage for dampers is broken</li> <li>- Leaves inside HVAC unit</li> <li>- Screen on fresh air intake needs to be repaired/replaced</li> </ul>
<b>Recommendations:</b>	
<b>Site Based Maintenance:</b>	<ul style="list-style-type: none"> <li>- Clean HVAC supply grills with wexcide disinfectant solution</li> <li>- Clean HVAC return grills with wexcide disinfectant solution</li> <li>- Clean/dust ceiling as appropriate</li> <li>- Continue to monitor this location for any signs of microbial growth as well as dust and debris accumulation and clean as appropriate</li> </ul>
<b>Physical Plant Operations Division:</b>	<ul style="list-style-type: none"> <li>- Work with school staff to control temperature in room 501</li> <li>- Repair linkage for dampers on HVAC unit</li> <li>- Investigate cause of leaves in HVAC unit</li> <li>- Repair/replace screen on fresh air intake</li> </ul>