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October 24, 2006

**Signature on File**

TO: Mr. Robert Crawford, Principal  
**Atlantic Technical Center**

FROM: Aston A. Henry, Jr., Supervisor  
Risk Management Department

SUBJECT: Indoor Air Quality (IAQ) Assessment  
**Portable 972PD and 973PD**

On October 12, 2006 Jack McDonald and I conducted an assessment of Portable 972PD and 973PD at **Atlantic Technical Center**. This evaluation included observations of the flooring system, ceiling tiles, false ceiling plenum, environmental surfaces, interior and exterior walls, and the accessible ventilation equipment. 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 754-321-3200.

cc: Dr. Harry LaCava, Area Superintendent  
Fran Bolden, Area Director  
Jeffrey S. Moquin, Director, Risk Management  
Joe DeLillo, Project Manager, Facilities and Construction Management  
Ruby Fitzgerald, 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

AAH/tc  
Enc.

# IAQ Assessment

Location Number   
 Evaluation Requested   
 Evaluation Date

Atlantic Technical Center

Time of Day

Outdoor Conditions      Temperature       Relative Humidity       Ambient CO2

Fish	Temperature	Range	Relative Humidity	Range	CO2	Range	# Occupants
<input type="text" value="972 &amp; 973PD"/>	<input type="text" value="65.2"/>	<input type="text" value="72 - 78"/>	<input type="text" value="73.8"/>	<input type="text" value="30% - 60%"/>	<input type="text" value="403"/>	<input type="text" value="Max 700 &gt; Ambient"/>	<input type="text" value="3"/>
<b>Noticeable Odor</b>	<input type="text" value="Yes"/>		<b>Visible water damage / staining?</b>	<b>Visible microbial growth?</b>	<b>Amount of material affected</b>		
<b>Ceiling Type</b>	<input type="text" value="2 x 4 Lay In"/>		<input type="text" value="Yes"/>	<input type="text" value="No"/>	<input type="text" value="Several Ceiling Tiles"/>		
<b>Wall Type</b>	<input type="text" value="Tackable"/>		<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text" value="None"/>		
<b>Flooring</b>	<input type="text" value="Tile"/>		<input type="text" value="No"/>	<input type="text" value="Yes"/>	<input type="text" value="Entire Floor"/>		

	Clean	Minor Dust / Debris	Needs Cleaning	Corrective Action Required
<b>Ceiling</b>	<input type="text" value="No"/>	<input type="text" value="Yes"/>	<input type="text" value="Yes"/>	<input type="text" value="Remove and replace ceiling tiles"/>
<b>Walls</b>	<input type="text" value="No"/>	<input type="text" value="Yes"/>	<input type="text" value="Yes"/>	<input type="text" value="Repair/Replace Wall Material"/>
<b>Flooring</b>	<input type="text" value="No"/>	<input type="text" value="Yes"/>	<input type="text" value="Yes"/>	<input type="text" value="Repair/Replace Floor"/>
<b>HVAC Supply Grills</b>	<input type="text" value="Yes"/>	<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text"/>
<b>HVAC Return Grills</b>	<input type="text" value="Yes"/>	<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text"/>
<b>Ceiling at Supply Grills</b>	<input type="text" value="Yes"/>	<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text"/>
<b>Surfaces in Room</b>	<input type="text" value="Yes"/>	<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text"/>

**Observations**

**Findings:**

- Elevated moisture content in West wall under A/C unit, North wall under A/C unit and East wall under A/C unit
- Microbial growth on sub-floor underneath the floor tiles
- Several stained ceiling tiles throughout the rooms
- Temperature was low and humidity level was elevated at the time of the assessment

**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:**

- Evaluate cause of water intrusion and repair. Remove and replace wall material as appropriate.
- Remove insulation in floor cavity and repair floor as appropriate
- Remove and replace stained ceiling tiles as appropriate
- Evaluate and repair HVAC system to increase temperature and lower humidity