

Aston A. Henry, Supervisor  
Risk Management Department

Telephone: 754 321-1900  
Fax: 754 321-1917

November 12, 2009

**Signature on File**

TO: Dr. Mark Strauss, Principal  
**Virginia Shuman Young Elementary School**

FROM: Robert Krickovich, Coordinator, LEA  
Facilities and Construction Management

SUBJECT: Indoor Air Quality (IAQ) Assessment  
**FISH 306**

| <u>For Custodial Supervisor Use Only</u> |                                |
|--|--------------------------------|
| <input type="checkbox"/>                 | Custodial Issues Addressed     |
| <input type="checkbox"/>                 | Custodial Issues Not Addressed |
| _____                                    |                                |
| _____                                    |                                |

On October 28, 2009 I conducted an assessment of FISH 306 at **Virginia Shuman Young Elementary School**. This evaluation included observations of the flooring system, ceiling tiles, false ceiling plenum, environmental surfaces, interior and exterior walls, and the accessible ventilation equipment. Additionally, environmental parameter measurements were taken to include temperature, relative humidity, and carbon dioxide. The detailed findings, along with the recommended corrective action can be found on the attached IAQ Assessment Worksheets.

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.

*Please ensure that your Head Facilities Serviceperson receives a copy of this correspondence so that the recommendations requiring their attention can be addressed. In an attempt to separate IAQ issues from general maintenance items, the attached assessment may contain direction for site based staff to generate a work order through COMPASS. Within two weeks a representative from the Custodial/Grounds Department will conduct a follow-up visit to ensure that all issues have been appropriately addressed.*

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. Leontine Butler, Area Superintendent  
Jan Beal, Area Director  
Jeffrey S. Moquin, Executive Director, Support Operations  
Aston Henry, Supervisor, Risk Management  
Sheldon Dash, Project Manager, Facilities and Construction Management  
Jerrod Neal, Broward Teachers Union  
Roy Jarrett, Federation of Public Employees  
Mark Dorsett, Manager 1, Physical Plant Operations Division, Zone 1  
Roy Norton, Manager Custodial/Grounds, Physical Plant Operations Division

RK/tc  
Enc.

# IAQ Assessment

Location Number 3321

Virginia Shuman Young Elementary School

Evaluation Requested October 27, 2009

Time of Day

Evaluation Date October 28, 2009

Outdoor Conditions      Temperature 85.3      Relative Humidity 68.8      Ambient CO2 440

|                 |             |                                  |                   |                           |      |                             |             |
|-----------------|-------------|----------------------------------|-------------------|---------------------------|------|-----------------------------|-------------|
| Fish            | Temperature | Range                            | Relative Humidity | Range                     | CO2  | Range                       | # Occupants |
| 306             | 76.6        | 72 - 78                          | 46                | 30% - 60%                 | 1075 | Max 700 > Ambient           | 2           |
| Noticeable Odor |             | Visible water damage / staining? |                   | Visible microbial growth? |      | Amount of material affected |             |
| Ceiling Type    |             | Visible water damage / staining? |                   | Visible microbial growth? |      | Amount of material affected |             |
| Wall Type       |             | Visible water damage / staining? |                   | Visible microbial growth? |      | Amount of material affected |             |
| Flooring        |             | Visible water damage / staining? |                   | Visible microbial growth? |      | Amount of material affected |             |

|                          | Clean | Minor Dust / Debris | Needs Cleaning | Corrective Action Required |
|--------------------------|-------|---------------------|----------------|----------------------------|
| Ceiling                  | Yes   | No                  | No             |                            |
| Walls                    | Yes   | No                  | No             |                            |
| 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:**

- Storage room behind stage being used as work/copy room - copy machine and laminator in room
- Room needs to have exhaust fan installed to remove odors from machines being used

**Site Based Maintenance:**

- Contact Project Manager to evaluate room for design use and for installation of exhaust fan
- Continue to monitor this location for any signs of microbial growth as well as dust and debris accumulation and clean as appropriate