

RISK MANAGEMENT...

managing risk with responsibility

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Risk Management Department

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May 2, 2008

Signature on File

TO: Ms. Constantina Pettis, Principal
Deerfield Park Elementary School

FROM: Edward See, Project Manager
Risk Management Department

SUBJECT: Indoor Air Quality (IAQ) Assessment
FISH 201 and 413

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

On March 27, 2008 I conducted an assessment of FISH 201 and 413 at **Deerfield Park 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. 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 754-321-3200.

cc: Dr. Joanne Harrison, Area Superintendent
David Hall, Area Director
Jeffrey S. Moquin, Director, Risk Management
Robert Bellot, Project Manager, Facilities and Construction Management
Lynn Cavall, 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
Robert Krickovich, Coordinator, LEA, Facilities and Construction Management

ES/tc
Enc.

IAQ Assessment

Location Number 0391

Deerfield Park Elementary School

Evaluation Requested March 26, 2008

Time of Day 10:15 am

Evaluation Date March 27, 2008

Outdoor Conditions Temperature 78.1 Relative Humidity 52.8 Ambient CO2 458

| | | | | | | | |
|-----------------|-----------------|---------|----------------------------------|---------------------------|-----------------------------|-------------------|-------------|
| Fish | Temperature | Range | Relative Humidity | Range | CO2 | Range | # Occupants |
| 201 | 72.9 | 72 - 78 | 44.7 | 30% - 60% | 595 | Max 700 > Ambient | 3 |
| Noticeable Odor | No | | Visible water damage / staining? | Visible microbial growth? | Amount of material affected | | |
| Ceiling Type | 1 x 1 | | No | No | None | | |
| Wall Type | Drywall/Plaster | | No | No | None | | |
| Flooring | Carpet | | No | No | None | | |

| | 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:
 - No signs of water intrusion or microbial growth

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

IAQ Assessment

Deerfield Park Elementary School

Location Number 0391
 Evaluation Requested March 26, 2008
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Time of Day 10:15 am

Outdoor Conditions Temperature 78.1 Relative Humidity 52.8 Ambient CO2 458

| | | | | | | | |
|-----------------|-------------|----------------------------------|-------------------|---------------------------|-----|-----------------------------|-------------|
| Fish | Temperature | Range | Relative Humidity | Range | CO2 | Range | # Occupants |
| 413 | 72.5 | 72 - 78 | 57.7 | 30% - 60% | 868 | Max 700 > Ambient | 4 |
| Noticeable Odor | | Visible water damage / staining? | | Visible microbial growth? | | Amount of material affected | |
| Ceiling Type | | No | | No | | None | |
| Wall Type | | No | | No | | None | |
| Flooring | | No | | No | | None | |

| | Clean | Minor Dust / Debris | Needs Cleaning | Corrective Action Required |
|--------------------------|------------------------------|-----------------------------|-----------------------------|----------------------------|
| Ceiling | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> No | |
| Walls | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> No | |
| Flooring | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> No | |
| HVAC Supply Grills | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> No | |
| HVAC Return Grills | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> No | |
| Ceiling at Supply Grills | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> No | |
| Surfaces in Room | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> No | |

Observations

Findings:
 - No signs of water intrusion or microbial growth
 - Chalkboard in room

Recommendations:

Site Based Maintenance:
 - Remove chalk and clean board thoroughly
 - Continue to monitor this location for any signs of microbial growth as well as dust and debris accumulation and clean as appropriate