

THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA

ENVIRONMENTAL HEALTH & SAFETY DEPARTMENT

TELEPHONE (754) 321-4200

FACSIMILE: (754) 321-4285

June 30, 2016

Signature on File

TO: Melinda Cunningham, Principal
Hawks Bluff Elementary

FROM: Robert Krickovich, Coordinator, LEA
Environmental Health & Safety Department

SUBJECT: Indoor Air Quality (IAQ) Assessment

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

On June 27, 2016, I conducted an assessment at **Hawks Bluff Elementary School**. Attached are findings and recommendations for further assessment, remediation, or corrective actions needed.

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.

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 site based custodial 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 us at 754-321-4200.

RK:smn
Enc.

- cc: Shelley Meloni, Director, Pre-Construction
- Mark Dorsett, Manager, Zone 1, Physical Plant Operations Division
- Broward Teachers Union
- Federation of Public Employees
- Gerald Devio, Supervisor II Custodial
- Benjamin Osborne, Supervisor II Custodial
- Rich Volpi, Supervisor II Custodial
- Mark Murray, Supervisor II Custodial
- Sam Bays, Director, Maintenance Operations
- Kurt Wirz, Area Manager Trades

IAQ Assessment

Hawks Bluff Elementary School

Evaluation Date June 27, 2016

Time of Day 12:30

Outdoor Conditions Temperature 81.4 Relative Humidity 91.1 Ambient CO2 433

| | | | | | | | | |
|--|---|---|--|---|---|--|--|---|
| Fish | Temperature | Range | Relative Humidity | Range | CO ² | Range | # Occupants | |
| QP1043 | 71.9 | 72 - 78 | 46.6 | 30% - 60% | 435 | MAX 700 > Ambient | 2 | |
| Noticeable Odor | | Yes | Visible water damage / staining? | | Visible microbial growth? | | Amount of material affected | |
| Ceiling | 2' X 4' Lay in | | Yes | | Yes | | 2 ceiling tiles | |
| Walls | Tack Board | | No | | No | | | |
| Floor | 12" x 12" Vinyl | | Yes | | No | | Entire floor wet | |
| Ceiling Clean | | Yes | HVAC Supply Grills Clean | | No | HVAC Return Grills Clean | | No |
| Walls Clean | | No | Inside of Supply Duct Clean | | No | Inside of Return Duct Clean | | No |
| Flooring Clean | | No | Ceiling at Supply Grills Clean | | No | | | |
| Room Surfaces Clean | | No | | | | | | |
| Trash Removed | | Yes | Exhaust Fans Working | | Yes | Unapproved Chemicals / Cleaners in Room | | No |
| Signs of Pests | | Yes | Drain Traps Wet | | Yes | Air Fresheners in Room | | No |
| Room Cluttered | | No | Food if Stored in Room is in Sealed Containers | | N/A | | | |
| Mechanical Equipment Location | | | 3 Wall Mounted Units | | | Mechanical Room Clean | | N/A |
| Filters Installed Properly | | Yes | Filters Clean | | Yes | Inside of HVAC Unit Clean | | No |
| Condensate Pan Clean | | Yes | Cooling Coil Clean | | Yes | | | |
| Fresh Air Intake Location | | | Outside of Unit ▼ | | | Fresh Air Intake Free of Obstruction | | Yes |
| Pollutant Sources Near Air Intake | | | None ▼ | | | | | |

Observations

Musty odor in room - 2 stained ceiling tiles with microbial growth (school should be calling in work orders anytime water intrusion is found)(school should be replacing stained ceiling tiles when ever present) - A/C unit dirty / dusty inside - (School staff should be cleaning grills and inside of A/C cover) - Flooring dirty - surfaces dusty - Condensation inside of light fixtures - Microbial growth inside light fixture lenses - Cob webs on walls - insect debris in window sills - (IAQ Protocol NOT Completed) - Wood floor wet - tiles popping up from plywood due to moisture

Corrective Actions to be Completed by Site Based Staff

| | |
|--|---|
| Remove and replace stained ceiling tile | ▼ |
| If stains return, contact COMPASS for work order | ▼ |
| Thoroughly clean ALL surfaces | ▼ |
| Clean dust from wall surfaces | ▼ |
| Clean Supply Grills with Wexcide | ▼ |
| Clean HVAC Return Grill with Wexcide | ▼ |
| Clean inside of light fixture lenses | ▼ |
| | ▼ |

Corrective Actions to be Completed by PPO

| | |
|---|---|
| Evaluate flooring for replacement | ▼ |
| Evaluate and repair cause of Condensation | ▼ |
| inside of light fixtures | ▼ |
| Treat to eliminate insects | ▼ |
| | ▼ |
| | ▼ |
| | ▼ |
| | ▼ |

