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February 23, 2007

**Signature on File**

TO: Ms. Marina Rashid, Principal  
**Eagle Ridge Elementary School**

FROM: Robert J. Krickovich, Coordinator, LEA  
Facilities and Construction Management, Environmental Division

SUBJECT: Indoor Air Quality (IAQ) Assessment  
**FISH 101, 110, 114, 220, 317, 401, 408 and 409**

On February 9, 2007 I conducted an assessment of FISH 101, 110, 114, 220, 317, 401, 408 and 409 at **Eagle Ridge 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.

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 754-321-1638.

cc: Dr. Joanne Harrison, Area Superintendent  
Craig Anderson, Area Director  
Jeffrey S. Moquin, Director, Risk Management  
Paul Bach, 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

RK/tc  
Enc.

# IAQ Assessment

Location Number   
 Evaluation Requested   
 Evaluation Date

Eagle Ridge Elementary School

Time of Day

Outdoor Conditions      Temperature       Relative Humidity       Ambient CO2

Fish	Temperature	Range	Relative Humidity	Range	CO2	Range	# Occupants
<input type="text" value="101"/>	<input type="text" value="71.5"/>	<input type="text" value="72 - 78"/>	<input type="text" value="48.6"/>	<input type="text" value="30% - 60%"/>	<input type="text" value="826"/>	<input type="text" value="Max 700 &gt; Ambient"/>	<input type="text" value="7"/>
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="2 x 4 Lay In"/>		<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text" value="None"/>		
Wall Type	<input type="text" value="Drywall/Tackboard"/>		<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="Yes"/>	<input type="text" value="No"/>	<input type="text" value="Stain in center of room"/>		

	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="No"/>	<input type="text" value="Yes"/>	<input type="text" value="Yes"/>	<input type="text" value="Clean as appropriate"/>
HVAC Supply Grills	<input type="text" value="Yes"/>	<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text"/>
HVAC Return Grills	<input type="text" value="Yes"/>	<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text"/>
Ceiling at Supply Grills	<input type="text" value="Yes"/>	<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text"/>
Surfaces in Room	<input type="text" value="Yes"/>	<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text"/>

**Observations**

**Findings: Administration**

- Complaint of odor
- Cloth covered display boards are mounted on the tackboard wall display boards and are holding moisture
- Vinyl backed floor mats on carpet at entry doors are trapping moisture in the carpet
- Temperature was low at the time of the assessment
- Stain on carpet in the center of the room

**Recommendations:**

**Site Based Maintenance:**

- Remove display boards from walls
- Remove vinyl backed floor mats
- Clean and sanitize rug to remove stain in the center of the room
- 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 HVAC for proper operation and adjust to increase temperature
- Remove carpet from in front of entry doors and replace with tile

# IAQ Assessment

Location Number 3441  
 Evaluation Requested February 7, 2007  
 Evaluation Date February 9, 2007

Eagle Ridge Elementary School

Time of Day 10:30 am

Outdoor Conditions      Temperature 77.3      Relative Humidity 52.6      Ambient CO2 466

Fish	Temperature	Range	Relative Humidity	Range	CO2	Range	# Occupants
<span style="border: 1px solid black; padding: 2px;">110</span>	<span style="border: 1px solid black; padding: 2px;">71.3</span>	<span style="border: 1px solid black; padding: 2px;">72 - 78</span>	<span style="border: 1px solid black; padding: 2px;">52</span>	<span style="border: 1px solid black; padding: 2px;">30% - 60%</span>	<span style="border: 1px solid black; padding: 2px;">1361</span>	<span style="border: 1px solid black; padding: 2px;">Max 700 &gt; Ambient</span>	<span style="border: 1px solid black; padding: 2px;">24</span>
Noticeable Odor	<span style="border: 1px solid black; padding: 2px;">Yes</span>		Visible water damage / staining?	Visible microbial growth?	Amount of material affected		
Ceiling Type	<span style="border: 1px solid black; padding: 2px;">2 x 4 Lay In</span>		<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">None</span>		
Wall Type	<span style="border: 1px solid black; padding: 2px;">Drywall</span>		<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">None</span>		
Flooring	<span style="border: 1px solid black; padding: 2px;">Carpet/VCT</span>		<span style="border: 1px solid black; padding: 2px;">Yes</span>	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">Entire carpet</span>		

	Clean	Minor Dust / Debris	Needs Cleaning	Corrective Action Required
Ceiling	<span style="border: 1px solid black; padding: 2px;">Yes</span>	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">No</span>	
Walls	<span style="border: 1px solid black; padding: 2px;">Yes</span>	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">No</span>	
Flooring	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">Yes</span>	<span style="border: 1px solid black; padding: 2px;">Yes</span>	<span style="border: 1px solid black; padding: 2px;">Remove and replace carpet</span>
HVAC Supply Grills	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">Yes</span>	<span style="border: 1px solid black; padding: 2px;">Yes</span>	<span style="border: 1px solid black; padding: 2px;">Clean with Wexcide disinfectant</span>
HVAC Return Grills	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">Yes</span>	<span style="border: 1px solid black; padding: 2px;">Yes</span>	<span style="border: 1px solid black; padding: 2px;">Clean with Wexcide disinfectant</span>
Ceiling at Supply Grills	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">Yes</span>	<span style="border: 1px solid black; padding: 2px;">Yes</span>	<span style="border: 1px solid black; padding: 2px;">Clean as appropriate</span>
Surfaces in Room	<span style="border: 1px solid black; padding: 2px;">Yes</span>	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">No</span>	

**Observations**

**Findings: Music Room**

- Carpet is severely rippled, torn and delaminating - severe trip hazard
- Dust and debris on HVAC supply and return grills and on ceiling at supply grills
- Temperature was low and CO2 level was elevated at the time of the assessment

**Recommendations:**

**Site Based Maintenance:**

- Clean HVAC supply and return grills with Wexcide disinfectant solution and clean ceiling at supply grills
- 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:**

- Remove and replace carpet
- Evaluate HVAC for proper operation and adjust to increase temperature and lower CO2 level

# IAQ Assessment

Location Number   
 Evaluation Requested   
 Evaluation Date

Eagle Ridge Elementary School

Time of Day

Outdoor Conditions      Temperature       Relative Humidity       Ambient CO2

Fish	Temperature	Range	Relative Humidity	Range	CO2	Range	# Occupants
<input type="text" value="114"/>	<input type="text" value="73.8"/>	<input type="text" value="72 - 78"/>	<input type="text" value="49.9"/>	<input type="text" value="30% - 60%"/>	<input type="text" value="1687"/>	<input type="text" value="Max 700 &gt; Ambient"/>	<input type="text" value="21"/>
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="2 x 4 Lay In"/>		<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text" value="None"/>		
Wall Type	<input type="text" value="Drywall"/>		<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text" value="None"/>		
Flooring	<input type="text" value="12 x 12 Vinyl"/>		<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="Yes"/>	<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text"/>
HVAC Return Grills	<input type="text" value="Yes"/>	<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text"/>
Ceiling at Supply Grills	<input type="text" value="Yes"/>	<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text"/>
Surfaces in Room	<input type="text" value="Yes"/>	<input type="text" value="No"/>	<input type="text" value="No"/>	<input type="text"/>

**Observations**

**Findings:** Storage room being used a science lab  
 - Room is not being used for purposes as designed

**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

**Project Manager/Safety Department:**

- Evaluate current use of the room - exiting, air flow, occupancy, etc.

# IAQ Assessment

Location Number 3441  
 Evaluation Requested February 7, 2007  
 Evaluation Date February 9, 2007

Eagle Ridge Elementary School

Time of Day 10:30 am

Outdoor Conditions      Temperature 77.3      Relative Humidity 52.6      Ambient CO2 466

Fish	Temperature	Range	Relative Humidity	Range	CO2	Range	# Occupants
220	67.6	72 - 78	57.6	30% - 60%	918	Max 700 > Ambient	21
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:**

- Dust build up on damper inside of HVAC return grill
- Water stains on vinyl floor of storage room - FISH 220B
- Dust build up on top of wall cabinet above sink
- Sink backsplash needs caulking
- FISH 210 - Mechanical Room - Filters clean, inside of HVAC unit has minor dust, drain pan clean, less than 1/4 inch of clear water in pan with no visible growth and pan is draining properly. Supply side chilled water 47 degrees, return side 52 degrees.
- Temperature was low at the time of the assessment

**Recommendations:**

**Site Based Maintenance:**

- Clean and sanitize floor in FISH 220B - storage room
- Thoroughly clean elevated surfaces in room - top of wall cabinet above sink
- 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:**

- Clean damper inside of HVAC return grill
- Caulk sink backsplash
- Clean minor dust from inside HVAC unit in FISH 210
- Evaluate HVAC for proper operation and adjust to increase temperature

# IAQ Assessment

Location Number 3441  
 Evaluation Requested February 7, 2007  
 Evaluation Date February 9, 2007

Eagle Ridge Elementary School

Time of Day 10:30 am

Outdoor Conditions      Temperature 77.3      Relative Humidity 52.6      Ambient CO2 466

Fish	Temperature	Range	Relative Humidity	Range	CO2	Range	# Occupants
317	70.9	72 - 78	53.4	30% - 60%	1175	Max 700 > Ambient	22
Noticeable Odor		Visible water damage / staining?		Visible microbial growth?		Amount of material affected	
Ceiling Type		Yes		No		2 ceiling tiles	
Wall Type		No		No		None	
Flooring		No		No		None	

	Clean	Minor Dust / Debris	Needs Cleaning	Corrective Action Required
Ceiling	No	Yes	Yes	Remove and replace ceiling tiles
Walls	Yes	No	No	
Flooring	No	Yes	Yes	Clean and sanitize
HVAC Supply Grills	Yes	No	No	
HVAC Return Grills	Yes	No	No	
Ceiling at Supply Grills	Yes	No	No	
Surfaces in Room	No	Yes	Yes	Clean as appropriate

**Observations**

**Findings: Art Room**

- Dust and debris on floor. Room is too cluttered to be cleaned properly by custodial staff.
- Dust and debris on environmental surfaces. Room is too cluttered to be cleaned properly by custodial staff.
- 2 stained ceiling tiles - one over teachers desk at exhaust fan and one at the door to FISH 317A
- Temperature was low at the time of the assessment

**Recommendations:**

**Site Based Maintenance:**

- Advise occupant to reduce clutter in the room. Clean and sanitize floor.
- Advise occupant to reduce clutter in the room. Thoroughly clean all surfaces throughout the room.
- 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 stained ceiling tiles and repair as appropriate and replace stained ceiling tiles.
- Evaluate HVAC for proper operation and adjust to increase temperature

# IAQ Assessment

Location Number 3441  
 Evaluation Requested February 7, 2007  
 Evaluation Date February 9, 2007

Eagle Ridge Elementary School

Time of Day 10:30 am

Outdoor Conditions      Temperature 77.3      Relative Humidity 52.6      Ambient CO2 466

Fish	Temperature	Range	Relative Humidity	Range	CO2	Range	# Occupants
<span style="border: 1px solid black; padding: 2px;">401</span>	<span style="border: 1px solid black; padding: 2px;">68.3</span>	<span style="border: 1px solid black; padding: 2px;">72 - 78</span>	<span style="border: 1px solid black; padding: 2px;">62.3</span>	<span style="border: 1px solid black; padding: 2px;">30% - 60%</span>	<span style="border: 1px solid black; padding: 2px;">743</span>	<span style="border: 1px solid black; padding: 2px;">Max 700 &gt; Ambient</span>	<span style="border: 1px solid black; padding: 2px;">20</span>
Noticeable Odor	<span style="border: 1px solid black; padding: 2px;">No</span>		Visible water damage / staining?	Visible microbial growth?	Amount of material affected		
Ceiling Type	<span style="border: 1px solid black; padding: 2px;">2 x 4 Lay In</span>		<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">None</span>		
Wall Type	<span style="border: 1px solid black; padding: 2px;">Drywall</span>		<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">None</span>		
Flooring	<span style="border: 1px solid black; padding: 2px;">Carpet</span>		<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">None</span>		

	Clean	Minor Dust / Debris	Needs Cleaning	Corrective Action Required
Ceiling	<span style="border: 1px solid black; padding: 2px;">Yes</span>	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;"></span>
Walls	<span style="border: 1px solid black; padding: 2px;">Yes</span>	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;"></span>
Flooring	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">Yes</span>	<span style="border: 1px solid black; padding: 2px;">Yes</span>	<span style="border: 1px solid black; padding: 2px;">Clean as appropriate</span>
HVAC Supply Grills	<span style="border: 1px solid black; padding: 2px;">Yes</span>	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;"></span>
HVAC Return Grills	<span style="border: 1px solid black; padding: 2px;">Yes</span>	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;"></span>
Ceiling at Supply Grills	<span style="border: 1px solid black; padding: 2px;">Yes</span>	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;"></span>
Surfaces in Room	<span style="border: 1px solid black; padding: 2px;">No</span>	<span style="border: 1px solid black; padding: 2px;">Yes</span>	<span style="border: 1px solid black; padding: 2px;">Yes</span>	<span style="border: 1px solid black; padding: 2px;">Clean as appropriate</span>

## Observations

### Findings: Media Center

- Dust build up on damper inside of HVAC return grill
- Minor staining on carpet. Dust build up under and behind aquarium stand at FISH 401E.
- Books were free of dust build up. Minor dust build up on shelves throughout the media center.
- Inside of electrical floor boxes were clean and dry
- Temperature was low and humidity level was elevated at the time of the assessment

### Recommendations:

#### Site Based Maintenance:

- Clean carpet under and behind aquarium at FISH 401E
- Thoroughly clean shelves throughout the media center
- 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:

- Clean damper inside of HVAC return grill
- Evaluate HVAC for proper operation and adjust to increase temperature and lower humidity level

# IAQ Assessment

Location Number 3441  
 Evaluation Requested February 7, 2007  
 Evaluation Date February 9, 2007

Eagle Ridge Elementary School

Time of Day 10:30 am

Outdoor Conditions      Temperature 77.3      Relative Humidity 52.6      Ambient CO2 466

Fish	Temperature	Range	Relative Humidity	Range	CO2	Range	# Occupants
408	71.3	72 - 78	50.8	30% - 60%	900	Max 700 > Ambient	22
Noticeable Odor		Visible water damage / staining?		Visible microbial growth?		Amount of material affected	
Ceiling Type		No		No		None	
Wall Type		No		No		None	
Flooring		Yes		No		Entire carpet	

	Clean	Minor Dust / Debris	Needs Cleaning	Corrective Action Required
Ceiling	Yes	No	No	
Walls	No	Yes	Yes	Clean as appropriate
Flooring	No	Yes	Yes	Remove and replace carpet
HVAC Supply Grills	No	Yes	Yes	Clean with Wexcide disinfectant
HVAC Return Grills	Yes	No	No	
Ceiling at Supply Grills	No	Yes	Yes	Clean as appropriate
Surfaces in Room	No	Yes	Yes	Clean as appropriate

## Observations

### Findings: Computer Lab

- Carpet is severely rippled, torn and stained
- Dust and debris on HVAC supply grills and on ceiling at supply grills
- Dust build up on walls in front of HVAC supply grills
- Temperature was low and humidity level was elevated at the time of the assessment

### Recommendations:

#### Site Based Maintenance:

- Clean HVAC supply grills with Wexcide disinfectant solution and clean ceiling at supply grills
- Clean walls in front of HVAC supply grills to remove dust build up
- 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:

- Remove and replace carpet
- Evaluate HVAC for proper operation and adjust to increase temperature and lower humidity level



# IAQ Assessment

Location Number 3441  
 Evaluation Requested February 7, 2007  
 Evaluation Date February 9, 2007

Eagle Ridge Elementary School

Time of Day 10:30 am

Outdoor Conditions      Temperature 77.3      Relative Humidity 52.6      Ambient CO2 466

Fish	Temperature	Range	Relative Humidity	Range	CO2	Range	# Occupants
409	68.2	72 - 78	53.6	30% - 60%	792	Max 700 > Ambient	20
Noticeable Odor		Visible water damage / staining?		Visible microbial growth?		Amount of material affected	
Ceiling Type		No		No		None	
Wall Type		No		No		None	
Flooring		Yes		No		Entire carpet	

	Clean	Minor Dust / Debris	Needs Cleaning	Corrective Action Required
Ceiling	Yes	No	No	
Walls	No	Yes	Yes	Clean as appropriate
Flooring	No	Yes	Yes	Remove and replace carpet
HVAC Supply Grills	No	Yes	Yes	Clean with Wexcide disinfectant
HVAC Return Grills	Yes	No	No	
Ceiling at Supply Grills	No	Yes	Yes	Clean as appropriate
Surfaces in Room	No	Yes	Yes	Clean as appropriate

**Observations**

**Findings: Computer Lab**

- Carpet is severely rippled, torn and stained
- Dust and debris on HVAC supply grills and on ceiling at supply grills
- Dust build up on walls in front of HVAC supply grills
- Temperature was low and humidity level was elevated at the time of the assessment

**Recommendations:**

**Site Based Maintenance:**

- Clean HVAC supply grills with Wexcide disinfectant solution and clean ceiling at supply grills
- Clean walls in front of HVAC supply grills to remove dust build up
- 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:**

- Remove and replace carpet
- Evaluate HVAC for proper operation and adjust to increase temperature and lower humidity level