

managing risk with responsibility

Telephone: 754-321-3200 Facsimile: 754-321-3290

January 14, 2	2009 Signature on File	For Custodial Supervisor Use Only				
TO:	Mr. Charles Neely, Principal Cypress Bay High School	Custodial Issues Addressed Custodial Issues Not Addressed				
FROM:	Edward See, Project Manager Risk Management Department					
SUBJECT:	Indoor Air Quality (IAQ) Assessment Portable 307 and 1215C					

On October 17, 2008 I conducted an assessment Portable 307 and 1215C at Cypress Bay High 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.

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. Verda Farrow, Area Superintendent
Fran Bolden, Area Director
Jeffrey S. Moquin, Executive Director, Support Operations
Gerry Usallan, Project Manager, Facilities and Construction Management
Ralph Eckhardt, 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.

			Cypress Ba	y High	School			Evaluati	on Requested	Septer	mber 23, 2008
Time of Day								E	valuation Date	Octo	ber 17, 2008
Outdoor Condi	itions	Те	mperature	78	3.9	Relative Hur	nidity	52.8	Ambie	nt CO2	398
Fish	Temper	ature	Range	Relati	ve Humidity	Range		CO2	Ran	ige	# Occupants
P-307	73	.7	72 - 78		37.4	30% - 60%		1650	Max 700	> Ambi	ent 1
Noticeable Od	lor [No			sible water ige / staining	Visible 9? gr	micro owth?	bial	Amount of ma	terial	
Ceiling Type		3 x 1	0		No		No			None	
Wall Type		Drywa	all		Yes		Yes		Unde	r A/C un	its
Flooring	1	2 x 12 \	/inyl		No		No			None	
	C	Clean	Minor D / Debr		Needs Cleaning			Correc	tive Action Re	equired	
Ceiling		Yes	No]	No						
Walls		No	Yes]	Yes			Repair/ı	replace wall m	aterial	
Flooring		Yes	No]	No						
HVAC Supply	Grills	No	Yes]	Yes		CI	lean witl	h Wexcide disi	infectan	t
HVAC Return	Grills	No	Yes]	Yes		CI	lean witl	h Wexcide disi	infectan	t
Ceiling at Sup Grills	ply	No	Yes]	Yes			Clea	n as appropri	ate	
Surfaces in Ro	oom	No	Yes		Yes			Clea	an as appropri	ate	

IAQ Assessment

3623

Location Number

Observations

Findings:

- Dust and debris on both A/C filters
- Visible microbial growth and staining on walls under both A/C units
- Dust and debris on A/C supply and return grills (A/C units)
- Dust build up on ceiling above East A/C unit
- Dust build up on environmental surfaces throughout the room
- CO2 level was slightly elevated

Recommendations:

Site Based Maintenance:

- Remove and replace A/C filters
- Wipe down walls with Wexcide disinfectant solution to clean until repairs are completed
- Clean A/C grills on both A/C units and wipe down ceiling to remove dust build up above East A/C unit
- Clean environmental 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 microbial growth and staining on walls under both A/C units and repair as appropriate. Repair/replace wall material as necessary.
- Evaluate HVAC for proper operation and repair as appropriate to lower CO2 level

,			Cypress Ba	ay High Sch	ool		ļ	Evaluat	ion Requ	ested	Septem	ber 23, 2008
Time of Day								E	Evaluatio	n Date	Octob	er 17, 2008
Outdoor Cond	itions	Те	mperature	78.9		Relative Hun	nidity	52.8		Ambie	nt CO2 [398
P-1215C [Noticeable Oc			Range 72 - 78	Relative H 40 Visible damage /	water staining	_	microk	CO2 889 pial	 Amount		> Ambie	# Occupants nt 2
Ceiling Type		d Panel		No		<u> </u>	No				None	
Wall Type Flooring		12 x 12 v		No	_		No					
Flooring		12 X 12 V	птуг	No			No				None	
Clean Minor Dust Needs 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 Sup Grills	ply	Yes	No		No							
Surfaces in Ro	oom	Yes	No] [No							
Observations												
Findings: - Wood/organic - Temperature v	odor in was low	room a _l	opears to b me of the a	e from pane ssessment	ls							
Recommendat	ions:											
Site Based Ma - Adjust thermo - Continue to m appropriate	stat to i	ncrease	temperaturion for any	e signs of mic	robial gr	owth as well a	as dust	and de	bris accu	mulatio	on and cle	ean as

IAQ Assessment

3623

Location Number