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November 6, 2006

Signature on File

TO:	Ms Debra R. Friedman, Director, Program Development and Alignment
	Rock Island Annex

- FROM: Robert J. Krickovich, Coordinator, LEA Facilities and Construction Management, Environmental Division
- SUBJECT: Indoor Air Quality (IAQ) Assessment FISH 601, 601B, 603, 606, 607 and 608

On October 23, 2006 I conducted an assessment of FISH 601, 601B, 603, 606, 607 and 608 at **Rock Island Annex**. 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: Jeffrey S. Moquin, Director, Risk Management
Israel Canales, Manager, Administrative Sites
Henry Verdugo, Project Manager, Facilities and Construction Management
Mark Dorsett, Manager 1, Physical Plant Operations Division, Zone 1
Roy Norton, Manager Custodial/Grounds, Physical Plant Operations Division

RK/tc Enc.

			IAQ As	sessment	Locati	on Number		
	Rock Island Ele	mentary Anne	x - Admin		Evalua	tion Requested	Octobe	r 23, 2006
Time of Day	3:30 pm					Evaluation Date	Octobe	r 23, 2006
Outdoor Conditi	ions Tem	perature	89.2	Relative Humic	dity 50.7	7 Ambie	nt CO2	486
Fish Te	emperature	Range Rela	ative Humidity	Range	CO2	Ran	ge #	Occupants
601	73.8 7	2 - 78	55.1	30% - 60%	524	Max 700	> Ambien	t
Noticeable Odo	or No		Visible water nage / staining	Visible m ? grow		Amount of mat affected	terial	
Ceiling Type	2 x 4 Lay	In	No	No	•		None	
Wall Type	Plaster		Yes	No	•	Arour	nd Windows	6
Flooring	Tile		No	No			None	
	Clean	Minor Dust / Debris	Needs Cleaning		Corre	ctive Action Re	equired	
Ceiling	Yes	Νο	No					
Walls	No	Yes	Yes		Repair/	replace as appr	opriate	
Flooring	Yes	Νο	No					
HVAC Supply G	Grills Yes	No	No					
HVAC Return G	irills Yes	Νο	No					
Ceiling at Supp Grills	ly Yes	No	No					
Surfaces in Roc	om Yes	No	No					

Findings:

- Walls are wet under and around windows

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 As	sessment	Location I	Number		
	Rock Island Ele	ementary Anne	ex - Admin		Evaluation	Requested	Octobe	er 23, 2006
Time of Day	3:30 pm				Eva	luation Date	Octobe	er 23, 2006
Outdoor Condit	ions Ten	perature	89.2	Relative Humidity	50.7	Ambie	nt CO2	486
Fish T	emperature	Range Rel	ative Humidity	Range	CO2	Ran	ige i	# Occupants
601B	74.6 7	2 - 78	54.4	30% - 60%	511	Max 700	> Ambier	nt
Noticeable Odd	or No		Visible water mage / staining	Visible micro growth?		mount of ma affected	terial	
Ceiling Type	2 x 4 Lay	In	No	No			None	
Wall Type	Tackabl	e	Yes	No		Around Win	dows & Un	der A/C
Flooring	Tile		No	No			None	
	Clean	Minor Dust / Debris	Needs Cleaning		Correctiv	e Action Re	equired	
Ceiling	Yes	No	No					
Walls	No	Yes	Yes		Repair/repl	ace as appi	opriate	
Flooring	Yes	No	No					
HVAC Supply G	Grills Yes	No	No					
HVAC Return G	Grills Yes	No	No					
Ceiling at Supp Grills	ly Yes	No	No					
Surfaces in Ro	om Yes	No	No					

Findings:

- Walls are wet under and around windows and under A/C

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 As	sessment	Locatio	n Number		
	Rock Island Ele	ementary Anne	ex - Admin		Evaluatio	on Requested	Octobe	er 23, 2006
Time of Day	3:30 pm				E	valuation Date	Octobe	er 23, 2006
Outdoor Condit	tions Ten	nperature	89.2	Relative Humidit	y <u>50.7</u>	Ambie	nt CO2	486
Fish T	Temperature	Range Rel	ative Humidity	Range	CO2	Ran	ge i	# Occupants
603	74.8 7	/2 - 78	54.9	30% - 60%	522	Max 700	> Ambier	nt
Noticeable Ode	or No	da	Visible water mage / staining	Visible mici growth		Amount of mat affected	terial	
Ceiling Type	2 x 4 Lay	In	No	No			None	
Wall Type	Tackabl	e	Yes	No	Γ	Around Wine	dows & Un	der A/C
Flooring	Tile		No	No	[None	
	Clean	Minor Dust / Debris	Needs Cleaning		Correct	tive Action Re	equired	
Ceiling	Yes	No	No					
Walls	No	Yes	Yes		Repair/re	place as appr	opriate	
Flooring	Yes	No	No					
HVAC Supply (Grills Yes	No	No					
HVAC Return 0	Grills Yes	No	No					
Ceiling at Supp Grills	oly Yes	No	No					
Surfaces in Ro	om Yes	No	No					

Findings:

- Walls are wet under and around windows and under A/C

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 As	sessment	Locatio	on Number		
	Rock Island El	ementary An	nex - Admin		Evaluat	ion Requested	Octobe	er 23, 2006
Time of Day	3:30 pm]			I	Evaluation Date	Octobe	er 23, 2006
Outdoor Condit	tions Ten	nperature	89.2	Relative Humidit	y 50.7	Ambie	nt CO2	486
Fish T	emperature	Range F	Relative Humidity	Range	CO2	Ran	ge ‡	# Occupants
606	74.2	72 - 78	53.2	30% - 60%	546	Max 700	> Ambier	nt
Noticeable Ode	or No] ,	Visible water damage / staining	Visible mic ? growth		Amount of mat affected	terial	
Ceiling Type	2 x 4 Lay	In	No	No]		None	
Wall Type	Tackabl	е	No	No]		None	
Flooring	Tile		No	No]		None	
	Clean	Minor Du / Debris			Corre	ctive Action Re	equired	
Ceiling	Yes	No	No					
Walls	Yes	No	No					
Flooring	Yes	No	No					
HVAC Supply (Grills Yes	No	No					
HVAC Return C	Grills Yes	No	No					
Ceiling at Supp Grills	oly Yes	No	No					
Surfaces in Ro	om Yes	No	No					

Findings: - Room has cloth furnishings - No visible 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 As	sessment	Locat	ion Number		
F	Rock Island Ele	mentary Anne	x - Admin		Evalua	tion Requested	Octobe	r 23, 2006
Time of Day	3:30 pm					Evaluation Date	Octobe	r 23, 2006
Outdoor Conditio	ons Tem	perature	89.2	Relative Hum	idity 50.	7 Ambie	nt CO2	486
Fish Te	emperature F	Range Rela	ative Humidity	Range	CO2	Ran	ge #	Occupants
607	74.6 7	2 - 78	54.9	30% - 60%	527	Max 700	> Ambien	t
Noticeable Odo	r No		Visible water nage / staining		microbial wth?	Amount of mat affected	terial	
Ceiling Type	2 x 4 Lay	In	No	Y	es	Around	Supply Gr	ills
Wall Type	Plaster		Yes	Y	es	Aroun	nd Windows	6
Flooring	Tile		No	Ν	lo		None	
	Clean	Minor Dust / Debris	Needs Cleaning		Corre	ective Action Re	equired	
Ceiling	Yes	No	No					
Walls	Νο	Yes	Yes		Repair/	replace as appr	opriate	
Flooring	Yes	No	No					
HVAC Supply G	rills Yes	No	No					
HVAC Return G	rills Yes	No	No					
Ceiling at Suppl Grills	у No	Yes	Yes		Replace of	ceiling tile as ap	propriate	
Surfaces in Roo	m Yes	No	No					

Findings:

- Walls are wet under and around windows with visible microbial growth
- Door on window wall has a hole in the bottom
- Visible microbial growth on ceiling tiles around HVAC supply grills

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

Physical Plant Operations:

- Evaluate for leaks and repair as appropriate. Remove and replace wall material as appropriate.
- Evaluate and repair/replace door
- Remove and replace ceiling tiles around HVAC supply grills

			IAQ As	sessment	Location	Number		
	Rock Island Ele	ementary Ann	ex - Admin		Evaluation	Requested	Octobe	er 23, 2006
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Outdoor Condit	tions Ten	nperature	89.2	Relative Humidit	/ 50.7	Ambie	ent CO2	486
Fish T	Temperature	Range Re	lative Humidity	Range	CO2	Ran	nge #	# Occupants
608	75.1 7	/2 - 78	55.2	30% - 60%	548	Max 700	> Ambien	it 🔤
Noticeable Ode	or No	da	Visible water mage / staining	Visible mici ? growth		mount of ma affected	terial	
Ceiling Type	2 x 4 Lay	In	No	No			None	
Wall Type	Tackabl	e	Yes	No		Arour	nd Window	S
Flooring	Tile		No	No			None	
	Clean	Minor Dust / Debris	t Needs Cleaning		Correctiv	ve Action Re	equired	
Ceiling	Yes	No	No					
Walls	No	Yes	Yes		Repair/rep	lace as appi	ropriate	
Flooring	Yes	No	No					
HVAC Supply (Grills Yes	No	No					
HVAC Return 0	Grills Yes	No	No					
Ceiling at Supp Grills	ply Yes	No	No					
Surfaces in Ro	om Yes	No	No					

Findings:

- Walls are wet under and around windows
- Door is rusted on bottom
- HVAC supply grills is hanging from the ceiling

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

- Evaluate and repair/replace door
- Repair HVAC supply grill