B2: PERIO	32: PERIODIC IAQ MAINTENANCE INSPECTION										
Building	Location	Prepared by	Date								
Equipment	Manufacturer	Other ID	File #								

			I		
Checklist & Action Items	Y	N	Actions taken / Notes	Freq	Date
(Action items in italics)				(possible)	
			R HANDLING UNIT		
Outdoor air intake and outdoor	air (damp	pers (Id. #)		
Outdoor pollution: No				1 mo	
pollution sources w/i 25 ft. (e.g.					
dumpster, chimney stack)					
Louvers and access doors:				1 mo	
Operating properly?					
Deflectors & screens: No				1 mo	
debris?					
Dampers:				1mo	
Operate properly, secure					
connections, no obstructions?					
Lubricate: Lubricate as per				1mo	
manufacturers instructions					
Outdoor air intake filter: Change	e as p	oer		2mo	
manufacturer's instructions.					
Mixing Plenum (Id #)					
Clean: No excess dirt, not used f	or			1 mo	
storage?					
Insulation: Secure and clean?				1 mo	
Floor drain: Charged with liquid	?			1 mo	
Dampers:				1 mo	
Airtight?					
Connections OK? Motors operate to design specific	ratio	ns?			
Air moving OK?	cuito	113.			
Fire dampers open?					
Filters (id #)					
No bypassing, excessive loading	,			1 mo	
dampness or odor?					
Flow direction correct?					
Change filters: Change as per				3 mo	
manufacturers recommendation					
Heating coil (id. #)					
Clean: Clean, no noticeable				1 mo	
leaks, no obstruction, no					
Clean coils: Clean coils & drain	pan.			3 mo	

Checklist & Action Items	Y	N	Actions taken / Notes	Freq	Date
(Action items in italics)				(possible)	
Cooling coils (Id #)					
Clean: Coils clean?				1mo	
Access: No obstructions in area				1mo	
that may affect access?					
Condensation: No excess				1mo	
condensation problems?					
Blowoff: No water from coil				1mo	
blowoff?					
Condensate pan and drain				1mo	
line:					
No noticeable odor?					
No visible bacterial or fungal					
growth,?					
Clean, no residue, no standing					
water?					
No overflow, no leakage, no					
blockage, no damage?					
Proper slope, drain line ok,					
drainage acceptable, discharge					
ok?					
Clean coils/pan: Clean coils, cond	densa	ate		3 mo	
drains, and external parts.					
Steam humidifier (id #)	ı				
Contaminants: No mineral				1 mo	
deposits, or biological growth?					
Duct liner: If duct liner within				1 mo	
12 feet, no dirt or mold growth?					
Steam lines: Condition OK				6mo	
Humidistat : Operation OK				6 mo	
Traps, strainers, and drains:				6 mo	
Condition OK, no bacterial or					
fungal growth?					
Spray humidifier or Air washer	(id #	!)		
Condition:				1mo	
All parts clean?					
No noticeable leaks?					
Biocide: Biocide treatment ok?				1mo	
Operation: Floats, pumps,				6 mo	
filters, nozzles operate properly?					
Pans: Draining properly, no				6 mo	
bacterial or fungal growth?					

Y	N	Actions taken / Notes	Freq	Date
			(possible)	
d#_) continued		
			6 mo	
			6 mo	
)				
			1 mo	
			3 mo	
			3 mo	
			3 mo	
			3 mo	
			3 mo	
			3 mo	
			3 mo	
•	_		12 mo	
	d#)	d#	d #) continued	

Checklist & Action Items	Y	N	Actions taken / Notes	Freq	Date			
(Action items in italics)				(possible)				
AIR DISTRIBUTUON AND TERMINAL SYSTEM								
Ductwork (supply and return) (id	#)					
Condition:				1 mo				
No odors, noise or vibration?								
Clean, no obstructions, debris?								
No signs of moisture/mold,								
insects or rodents?								
No noticeable air leaks?								
Connections and seals: Tight, no				3 mo				
damage or denting?								
Duct lining:				3 mo				
No dirt, dampness, mold?								
No deterioration?								
Fire and smoke detectors and				3mo				
dampers: Condition ok?								
Plenum (id #	_)							
Condition:				1 mo				
No odors, unusual sounds, or								
vibration?								
Clean, no obstructions, debris?								
No signs of moisture/mold,								
insects or rodents?								
No leaks from supply or exhaust								
into return?								
Ceiling tiles:				1 mo				
Tight seal of all tiles?								
No stained/damaged tiles								
indicating high RH or moisture								
problem?								
Insulation & fireproofing:				3 mo				
Condition OK?								
Fire dampers: Open?				3 mo				

Checklist & Action Items	Y	N	Actions taken / Notes	Freq	Date					
(Action items in italics)				(possible)						
Supply diffusers, return grilles, exhaust grilles (id #)										
Condition:				1 mo						
No odors or unusual sounds?										
Clean, no excess dirt or										
moisture?										
No obstruction to air flow?										
No purposely placed obstruction										
indicating occupant distress?										
Louvers: Adjustable louvers				3 mo						
move freely?										
Location: No short circuiting				3 mo						
between supply and return?										
Doors: Closed tightly?										
Supply diffuser:				3 mo						
Supply diffusers have proper air										
flow—not too high or too low?										
Air temperature under cooling										
conditions ok?										
Inspect: Clean and clear obstruction	ons o	n		3mo						
all diffusers and grilles. Determine	and	fix								
source of excess dirt, dust or moistu	re (e	e.g.								
dirty filter media or air bypassing m	iedia	ı).								
Investigate signs of occupant distres	ss.									

Charling 9 And a Kama	T 7	N.T	A strong to long / Notes	E	D-4-
Checklist & Action Items (Action items in italics)	Y	N	Actions taken / Notes	Freq	Date
				(possible)	
CAV / VAV Boxes (id #	<i>)</i> 			3 mo	
				3 mo	
Clean, clear air pathways?					
No odors or unusual noise or vibration?					
				3 mo	
Condition:				3 mo	
Condition of ducts, hangers /					
mounting, smoke detection, motor, wiring, acceptable?					
No noticeable leaks?					
				3 mo	
Controls: Wiring connections OK?				3 1110	
Control operates properly?					
Minimum flow is sufficient to					
ventilate space, meet standards?					
Reheat coils: Clean,				3 mo	
functioning, no obstruction?				3 1110	
Fans:				3 mo	
No unusual noise or vibration?				3 1110	
Belt condition, alignment, and					
tension OK?					
(See Fan Maintenance in AHU)					
Filters: Change filters				3 mo	
Fan-coil unit /Heat pump (id. #)		J 1110	
Condition: No odors, or unusual		<i>)</i>		1 mo	
noise or vibration?				1 1110	
Convectors;				3 mo	
Condition OK?				J IIIO	
No HW/CW leaks?					
Air intake:				3 mo	
Clean, no blockage to air?					
Damper mobility OK?					
Insulation:				3 mo	
Clean?					
No deterioration?					
Covers: Fit tight, no vibration?				3 mo	
Fans				3 mo	
No unusual noise or vibration?					
Belt condition, alignment, and					
tension OK?					
(See fan maintenance in AHU)					
Filters: Change filters				3 mo	

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Caction items in italics Capacita Capa	Checklist & Action Items	3 7	NI	A stions tolers / Notes	Eman	Date
Exhaust Systems in Special Use Areas (ID#) Operation: Operation: Operates whenever source of pollution is present? Drawing sufficient air? Room under negative pressure? Make up air path unobstructed? Filters: Change filters. Central PLANT Boiler (id #) Condition: Chemical treatment proper? No back drafting? Fresh water use and temp. OK? Condensate & return: Operation and temperature acceptable? Controls: Operation and calibration OK? Expansion tank: Condition OK? Expansion tank: Condition OK? Circulating pump: Condition OK? Perform combustion and flue gas test. Clean boiler Condition/operation: No Leaks? Operation OK? Analyze chemicals in of water in chiller and HVAC loop and adjust as needed Crankcase: Crankcase heater operation OK? Leaks: No air, refrigerant charge OK? Leaks: No air, refrigerant, or oil leaks? PM: Inspect and perform maintenance of chiller chiller. Procurement: Purchase chemicals for 1 mo Imo		Y	IN	Actions taken / Notes	_	Date
Operation: Operates whenever source of pollution is present? Drawing sufficient air? Romu under negative pressure? Make up air path unobstructed? Filters: Change filters. CENTRAL PLANT Boiler (id # Condition: Chemical treatment proper? No back drafting? Fresh water use and temp. OK? Condensate & return: Operation and temperature acceptable? Controls: Operation and calibration OK? Expansion tank: Condition OK? Circulating pump: Condition OK? Perform combustion and flue gas test. Clean boiler Condition/Operation: No Leaks? Operation OK? Analyze chemicals in of water in chiller and HVAC loop and adjust as needed Crankcase: Crankcase heater operation OK? Leaks: No air, refrigerant charge OK? Leaks: No air, refrigerant, or oil leaks? Phy: Inspect and perform maintenance of chiller Procurement: Purchase chemicals for Procurement: Purchase chemicals for			(ID#		(possible)	
Operates whenever source of pollution is present? Pom under negative pressure? Make up air path unobstructed? Filters: Change filters. Condition: Chemical treatment proper? No back drafting? Fresh water use and temp. OK? Condensate & return: Operation and temperature acceptable? Controls: Operation and calibration OK? Expansion tank: Condition OK? Circulating pump: Condition OK? Perform combustion and flue gas test. Clean boiler Chiller (id. #		reas	(1D#)	1	
pollution is present? Drawing sufficient air? Room under negative pressure? Make up air path unobstructed? Filters: Change filters. Central Plant Condition: Chemical treatment proper? No back drafting? Fresh water use and temp. OK? Condensate & return: Operation and temperature acceptable? Controls: Operation and calibration OK? Expansion tank: Condition OK? Circulating pump: Condition OK? Perform combustion and flue gas test. Imo Clean boiler 12 mo Chiller (id. #					Imo	
Drawing sufficient air? Room under negative pressure? Make up air path unobstructed? Filters: Change filters. CENTRAL PLANT						
Room under negative pressure? Make up air path unobstructed? Filters: Change filters. CENTRAL PLANT Boiler (id # Condition: Chemical treatment proper? No back drafting? Fresh water use and temp. OK? Condensate & return: Operation and temperature acceptable? Controls: Operation and calibration OK? Expansion tank: Condition OK? Circulating pump: Condition OK. Perform combustion and flue gas test. Imo Clean boiler Chiller (id. # Condition/Operation: No Leaks? Operation OK? Analyze chemicals in of water in chiller and HVAC loop and adjust as needed Crankcase : Crankcase heater operation OK? Refrigerant: Refrigerant charge OK? Leaks: No air, refrigerant, or oil leaks? Procurement: Purchase chemicals for Procurement: Purchase chemicals for						
Samo CENTRAL PLANT Solier (id #)						
CENTRAL PLANT	Make up air path unobstructed?					
Boiler (id #	Filters: Change filters.				3 mo	
Condition: Chemical treatment proper? No back drafting? Fresh water use and temp. OK? Condensate & return: Operation and temperature acceptable? Controls: Operation and calibration OK? Expansion tank: Condition OK? Expansion tank: Condition OK? Circulating pump: Condition OK? Perform combustion and flue gas test. Imo Clean boiler Condition/operation: No Leaks? Operation OK? Operation OK? Crankcase : Crankcase heater operation OK? Refrigerant: Refrigerant charge OK? PM: Inspect and perform maintenance of chiller Procurement: Purchase chemicals for I mo 1 mo 1 mo 1 mo 1 mo 2 mo 1 mo 3 mo 6 chiller 1 2 mo 1 m			C	ENTRAL PLANT		
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calibration OK? Expansion tank: Condition OK? Circulating pump: Condition OK? Perform combustion and flue gas test. Imo Clean boiler Chiller (id. #) Condition/operation: No Leaks? Operation OK? Analyze chemicals in of water in chiller and HVAC loop and adjust as needed Crankcase: Crankcase heater operation OK? Refrigerant: Refrigerant charge OK? Leaks: No air, refrigerant, or oil leaks? PM: Inspect and perform maintenance of chiller Procurement: Purchase chemicals for	acceptable?					
Expansion tank: Condition OK? Circulating pump: Condition OK? Perform combustion and flue gas test. Imo Clean boiler Chiller (id. #) Condition/operation: No Leaks? Operation OK? Analyze chemicals in of water in chiller and HVAC loop and adjust as needed Crankcase: Crankcase heater operation OK? Refrigerant: Refrigerant charge OK? Leaks: No air, refrigerant, or oil leaks? PM: Inspect and perform maintenance of chiller Procurement: Purchase chemicals for	Controls: Operation and				1 mo	
Circulating pump: Condition OK? Perform combustion and flue gas test. Clean boiler Chiller (id.#	calibration OK?					
OK? Perform combustion and flue gas test. Clean boiler Chiller (id. #) Condition/operation: No Leaks? Operation OK? Analyze chemicals in of water in chiller and HVAC loop and adjust as needed Crankcase: Crankcase heater operation OK? Refrigerant: Refrigerant charge OK? Leaks: No air, refrigerant, or oil leaks? PM: Inspect and perform maintenance of chiller Procurement: Purchase chemicals for 12 mo	Expansion tank: Condition OK?				1 mo	
OK? Perform combustion and flue gas test. Clean boiler Chiller (id. #) Condition/operation: No Leaks? Operation OK? Analyze chemicals in of water in chiller and HVAC loop and adjust as needed Crankcase: Crankcase heater operation OK? Refrigerant: Refrigerant charge OK? Leaks: No air, refrigerant, or oil leaks? PM: Inspect and perform maintenance of chiller Procurement: Purchase chemicals for 12 mo	Circulating pump: Condition				1 mo	
Clean boiler Chiller (id. #) Condition/operation: No Leaks? Operation OK? Analyze chemicals in of water in chiller and HVAC loop and adjust as needed Crankcase: Crankcase heater operation OK? Refrigerant: Refrigerant charge OK? Leaks: No air, refrigerant, or oil leaks? PM: Inspect and perform maintenance of chiller Procurement: Purchase chemicals for	OK?					
Chiller (id. #) Condition/operation: No Leaks? Operation OK? Analyze chemicals in of water in chiller and HVAC loop and adjust as needed Crankcase: Crankcase heater operation OK? Refrigerant: Refrigerant charge 3 mo OK? Leaks: No air, refrigerant, or oil leaks? PM: Inspect and perform maintenance of chiller Procurement: Purchase chemicals for	Perform combustion and flue gas te	st.			1mo	
Condition/operation: No Leaks? Operation OK? Analyze chemicals in of water in chiller and HVAC loop and adjust as needed Crankcase: Crankcase heater operation OK? Refrigerant: Refrigerant charge OK? Leaks: No air, refrigerant, or oil leaks? PM: Inspect and perform maintenance of chiller Procurement: Purchase chemicals for	Clean boiler				12 mo	
No Leaks? Operation OK? Analyze chemicals in of water in chiller and HVAC loop and adjust as needed Crankcase: Crankcase heater operation OK? Refrigerant: Refrigerant charge OK? Leaks: No air, refrigerant, or oil leaks? PM: Inspect and perform maintenance of chiller Procurement: Purchase chemicals for 12 mo	Chiller (id. #)					
Operation OK? Analyze chemicals in of water in chiller and HVAC loop and adjust as needed Crankcase: Crankcase heater operation OK? Refrigerant: Refrigerant charge OK? Leaks: No air, refrigerant, or oil leaks? PM: Inspect and perform maintenance of chiller Procurement: Purchase chemicals for 12 mo	Condition/operation:				1 mo	
Analyze chemicals in of water in chiller and HVAC loop and adjust as needed Crankcase: Crankcase heater operation OK? Refrigerant: Refrigerant charge OK? Leaks: No air, refrigerant, or oil leaks? PM: Inspect and perform maintenance of chiller Procurement: Purchase chemicals for 12 mo	No Leaks?					
Analyze chemicals in of water in chiller and HVAC loop and adjust as needed Crankcase: Crankcase heater operation OK? Refrigerant: Refrigerant charge OK? Leaks: No air, refrigerant, or oil leaks? PM: Inspect and perform maintenance of chiller Procurement: Purchase chemicals for 12 mo	Operation OK?					
chiller and HVAC loop and adjust as needed Crankcase: Crankcase heater operation OK? Refrigerant: Refrigerant charge OK? Leaks: No air, refrigerant, or oil leaks? PM: Inspect and perform maintenance of chiller Procurement: Purchase chemicals for 12 mo	_					
Crankcase: Crankcase heater 3 mo operation OK? Refrigerant: Refrigerant charge OK? Leaks: No air, refrigerant, or oil leaks? PM: Inspect and perform maintenance of chiller Procurement: Purchase chemicals for 12 mo						
Crankcase: Crankcase heater operation OK? Refrigerant: Refrigerant charge OK? Leaks: No air, refrigerant, or oil leaks? PM: Inspect and perform maintenance of chiller Procurement: Purchase chemicals for 3 mo 3 mo 12 mo 12 mo						
operation OK? 3 mo Refrigerant: Refrigerant charge 3 mo OK? 3 mo Leaks: No air, refrigerant, or oil leaks? 3 mo PM: Inspect and perform maintenance of chiller 12 mo Procurement: Purchase chemicals for 12 mo					3 mo	
Refrigerant: Refrigerant charge OK? Leaks: No air, refrigerant, or oil leaks? PM: Inspect and perform maintenance of chiller Procurement: Purchase chemicals for 3 mo 12 mo 12 mo						
OK? Leaks: No air, refrigerant, or oil leaks? PM: Inspect and perform maintenance of chiller Procurement: Purchase chemicals for 12 mo	*				3 mo	
Leaks: No air, refrigerant, or oil leaks? 3 mo PM: Inspect and perform maintenance of chiller 12 mo Procurement: Purchase chemicals for 12 mo						
leaks? PM: Inspect and perform maintenance of chiller Procurement: Purchase chemicals for 12 mo 12 mo	Leaks: No air, refrigerant, or oil				3 mo	
chiller Procurement: Purchase chemicals for 12 mo	_					
chiller Procurement: Purchase chemicals for 12 mo	PM: Inspect and perform maintenar	псе о	of .		12 mo	
	Procurement: Purchase chemicals	for			12 mo	
chiller	chiller					

Checklist & Action Items	Y	N	Actions taken / Notes	Freq	Date
(Action items in italics)				(possible)	
Condensing equipment (cooling t	owe	r) (ic	d #)		
Leaks: No leaks in cooling tower,				1mo	
reservoir, or storage tank?					
Chemicals: Analyze chemicals for	cool	ing		1mo	
tower water and adjust as needed.					
Mist Eliminator: Operation OK?				1mo	
Baffles: No slime or algae?				1mo	
Chemical dispenser: Proper				1mo	
operation? Adjust as needed.					
PM: Perform maintenance of coolir	ıg			6 mo	
tower					
Procurement: Purchase chemicals	for			12 mo	
cooling tower					
Air compressor and pneumatic sy	sten	ı (Id	#)	,	
Condition:				1mo	
No odors or unusual noise?					
No leaks?					
Cycling on/off OK?					
Water: Drain water from compress	or			1mo	
tank.	•	ı			
Corrosion: Unit free of				3 mo	
deterioration and corrosion?					
Oil: Oil level and condition OK?				3 mo	
Safety valve: Head pressure				3 mo	
safety valve OK?					
Filter: Clean / change air filter.				3 mo	
Belts: Inspect condition, adjust alig	nme	nt		3 mo	
and tension, change as needed.					
Bearings: Inspect bearing and oper	atin	g		3 mo	
surface temperature.					
Vibration: Investigate vibration and	d			3 mo	
tighten bolts.					

Checklist & Action Items	Y	N	Actions taken / Notes	Freq	Date
(Action items in italics)				(possible)	
HVAC pumps and pipes (id #			_)		
Condition:				1mo	
No unusual noises, vibration?					
No corrosion or deterioration?					
Insulation in place, acceptable					
condition?					
No steam, water, or gas leaks?					
Water circulates with pump					
when cooled?					
Valves and gaskets:				1 mo	
Valves open & close OK?					
No corrosion or leaks?					
Hand hold not leaking or					
deteriorating?					
Inspect/test safety valves &					
devices.					
Tanks:				1mo	
Expansion and other tanks and					
receivers operate properly?					
No leaks or deterioration?					
Drains and traps:				1mo	
Drains clean and unobstructed?					
Traps charged?					
Heat and lubrication:				3 mo	
No excessive heat or sparking?					
Lubrication OK?					
Hangers, connectors, fittings:				3 mo	
No loose, missing parts in					
hangers?					
Fittings and connectors are not					
deteriorating?					
Couplings:				3 mo	
Shaft security, and safety					
guards of couplings OK?					
Alignment OK? (If belt coupled,					
check tension and condition.)					
No uneven wear?					
Impeller: Impeller moving				3 mo	
medium through pipe OK?.					
Housing: Packing, seals, gaskets				3 mo	
OK? No leaks?.					

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Checklist & Action Items	Y	N	Actions taken / Notes	Freq	Date
(Action items in italics)				(possible)	
HVAC pumps and pipes (id #			_) continued		
Wiring: No broken, frayed, and				3 mo	
loose wiring?					
Pipes: No leaks, corrosion? No				3 mo	
loose connections?					
Pumps: Inspect and perform				3 mo	
preventive maintenance on pumps					
over 1 H.P.					
Bypass valves: Bypass valves				6 mo	
operating properly?					
Motors:				6mo	
Pumps running smoothly?					
Pumps not running excessively?					
No excessive heat or sparking?					
Lubricate as needed					
Emergency generators (id #		_)			
PM: Perform preventive				3 mo	
maintenance program					
Procurement: Purchase				6 mo	
emergency generator fuel					

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Checklist & Action Items	Y	N	Actions taken / Notes	Freq	Date
(Action items in italics)				(possible)	
Control system:					
Testing equipment: Calibrate acco	ordin	g		1 mo	
to manufacturer's instructions.					
Perform PM on all testing equipmen	nt.				
Pressure Control:				3 mo	
Inspect pressure control: Confirm to	hat				
pressure meets design specs					
Leaks:				3 mo	
No compressed air and					
pneumatics leaks in					
connections, valves, and hoses?					
Calibration check:				3 mo	
HVAC equipment controls					
calibrated?					
Operation:				3 mo	
Controls operation OK?					
Control sequence meets design					
specs?					
Set points meet specs?					
Central system clocks:				6 mo	
Set appropriately?					
Check standard/daylight					
savings. Location appropriate					
(e.g. (thermostat not near draft					
or heat source)					
T					
Economizer:				6 mo	
Operates at correct settings?					
Humidity control not a					
problem?					
Gauges: Inspect for proper equipm	ient			6 mo	
operation, and calibration					

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Checklist & Action Items (Action items in italics)	Y	N	Actions taken / Notes	Freq (possible)	Date
BUILDING					
Envelope (Id#)					
Roof:				3 mo	
In good condition?					
No leaks?					
Foundation:				3 mo	
Has proper drainage?					
No moisture penetration or signs					
of mold?					
Doors and windows: Caulking				3 mo	
and weather stripping in good					
condition?					
Machine Room (Id#)					
Condition:				1 mo	
Clean, no unusual noise or					
odor?					
Room is ventilated under					
negative pressure?					
Elevator Shafts (Id#)					
Condition:				1 mo	
Dry, clean?					
Evacuating odors?					
Stairwells (Id#)					
Condition:				1 mo	
Dry, clean, no odors?					
Doors close and latch?					
No penetrations allowing uncontrol	olled	air			
flow?					