

**NYC Department of Education
Building Condition Assessment Survey 2008-2009**

Mechanical Inspection

K218

School: **I.S. 218 - BROOKLYN, 370 FOUNTAIN AVENUE, BROOKLYN, NY, 11208**

InspectionId	Inspection Type	Time In	Last Edited
1189110	MECHANICAL	2009-04-06 08:00AM	2009-04-15 01:46PM

Asset Data

Question	Answer
Heating Plant Oil Number	2
Have any Systems/Major Building Components been upgraded?	Systems: Heating plant / Climate control Years: 2006 Systems: Grease trap (1/2) / Ejector pumps / All urinals (40% completed) Years: 2008 Systems: DX split A/C unit Years: 2007 Systems: Science demo room 114 Years: 2003

Priority Condition

No condition recorded

Inspection

Question	Response
MECHANICAL	
AIR CONDITIONING	Inspected
Chilled Water System	Does not exist
Condenser Water Piping	Does not exist
Condenser Water Pump	Does not exist
Cooling Coils in Ductwork	Does not exist
Cooling Tower	Does not exist
DX Split System	Inspected
Indoor Unit	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Outdoor Unit	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Packaged / Rooftop Unit	Does not exist
Packaged Terminal A/C	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Refrigerant Piping	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Return Fan	Does not exist
Window Type A/C	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE
Deficiency Location/Instance	Various Locations (14/39)
Deficiency Quantity	14
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
CENTRAL ACID WASTE NEUTRALIZING TANK	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
CLIMATE CONTROL SYSTEM	Inspected

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Question	Response
CLIMATE CONTROL SYSTEM	
Damper Actuator	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
DDC Computer	Does not exist
Local Control Panel	Does not exist
Pneumatic PRV Station	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Pneumatic Tubing	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Refrigerated Air Dryer	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Temperature Control Air Compressor	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Temperature Control Thermostat	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Temperature Control Zone Valve	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Terminal Unit Thermostatic Valve	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
COMPACTOR	Does not exist
CONVEYING	Inspected
Dumbwaiters	Does not exist
Elevators	Does not exist
Escalators	Does not exist
Non-auditorium Handicap Lift	Does not exist
Sidewalk / Ash Hoist	Inspected
Condition	3- Fair
Deficiency	HYDRAULIC:NOT IN USE
Deficiency Location/Instance	Kitchen
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
Deficiency	TRACTION:NOT IN USE
Deficiency Location/Instance	Next to room B2
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
DOMESTIC WATER SYSTEM	Inspected
Domestic Cold Water System	Inspected
Gravity System	Does not exist
Pressure Booster System	Does not exist

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Question	Response
DOMESTIC WATER SYSTEM	
Domestic Cold Water System	
Water Service	Inspected
Service Piping (Water Main)	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Water Main - Double Check Valve	Does not exist
Water Main - RPZ	Does not exist
Domestic Hot Water System	Inspected
Domestic Hot Water Circulating Pump	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Domestic Hot Water Remote Storage Tank	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Domestic Water Heat Exchanger	Does not exist
Electric Domestic Water Heater	Does not exist
Gas Fired Domestic Water Heater	Inspected
Instance	Boiler Room
Instance Condition	1- Good
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Lochinvar
EquipmentId	N/A
Capacity/Size	750 MBH max. input
Installation Year	2006
Deficiency	No deficiencies recorded
Oil Fired Domestic Water Heater	Does not exist
Domestic Water Distribution Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
DRAIN/WASTE/VENT AND STORM SYSTEM	Inspected
House Trap	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Interior Floor Drain	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Interior Storm Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Sewage / Waste Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Sewage Ejector Pump	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Sump Pump	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Vent Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
DUAL TEMPERATURE SYSTEM (CHILLED AND HOT WATER)	Does not exist

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Question	Response
EMERGENCY GENERATOR	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
FIXTURES	Inspected
Staff And Other	Inspected
Boiler Room - Eye Wash	Does not exist
Janitor Sink	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Lavatory/Sink	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Toilet	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Urinal	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Student	Inspected
Drinking Fountain	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Lavatory/Sink	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Locker Room Shower	Inspected
Condition	3- Fair
Alternative Use	Yes
Deficiency	NOT IN USE
Deficiency Location/Instance	Gym
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
Sink And Fountain Combo Unit	Does not exist
Toilet	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Urinal	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
GAS FIRED FURNACE	Does not exist
GAS SERVICE	Inspected
Gas Distribution Piping	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Gas Meter Room Exhaust Fan	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Gas Meter Room Vent	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded

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Question	Response
GAS SERVICE	
Gas Pressure Booster	Does not exist
HEATING	Inspected
Baseboard/Fin Tube	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Heating Coils In Ductwork	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Hydronic Heating	Does not exist
Radiator / Convectector	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Steam Heating	Inspected
F&T/Steam Drip Trap	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
MER Steam and Condensate Piping	Inspected
Condition	3- Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Fan rooms in basement and 2nd floor
Deficiency Quantity	350
Quantity Uom	L.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
Steam Condensate Return Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Steam Condensate Return System	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Steam Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Terminal Unit Thermostatic Trap	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
STEAM SUPPLIED BY EXTERNAL SOURCES	Does not exist
Terminal Fan Coil Unit	Does not exist
Unit Heater/Cabinet Heater	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
HEATING PLANT	Inspected
Replacement Quantity	12,028
Replacement Uom	MBH
Boiler Auxiliaries	Inspected
Boiler Blowdown/Piping System	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Breeching	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded

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Question	Response
HEATING PLANT	
Boiler Auxiliaries	
Boiler Damper (In Breeching)	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Emergency Stop Switch	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Feedwater System	Inspected
Boiler Feedwater Pump	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Feedwater Tank	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Feedwater Piping	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Feedwater Treatment(Automatic)	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Gas Burner	Does not exist
Boiler Gas/Oil Burner	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Header Valve	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Make-up Water Backflow Preventer	Inspected
Double Check Valves	Does not exist
RPZ	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Make-up Water Piping	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Oil Burner	Does not exist
Boiler Room Steam And Condensate Piping	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Boiler Safety Valve	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Burner Control Panel	Inspected
Condition	1- Good
Deficiency	DEFECTIVE
Deficiency Location/Instance	Boiler Room B#2
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Boiler System	Inspected

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HEATING PLANT	
Boiler System	
Coal-fired Boiler	Does not exist
Hot Water Boiler	Does not exist
Modular Boiler	Does not exist
Steam Boiler	Inspected
Instance	Basement
Instance Condition	1- Good
Instance Quantity	6,014
Instance Quantity Uom	MBH
Manufacturer	Easco
EquipmentId	51372-2
Capacity/Size	6014 MBH NET
Installation Year	2006
Deficiency	No deficiencies recorded
Instance	Basement
Instance Condition	1- Good
Instance Quantity	6,014
Instance Quantity Uom	MBH
Manufacturer	Easco
EquipmentId	51372-1
Capacity/Size	6014 MBH NET
Installation Year	2006
Deficiency	No deficiencies recorded
Fuel Systems	Inspected
Boiler Fresh Air Louver/Damper	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
CO/Gas Leak Detection	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Fuel Oil Heater	Does not exist
Fuel Oil Level Gauge	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Fuel Oil Piping	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Fuel Oil Tank	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Fuel Transfer Pump	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Gas Trains And Vent At The Boiler	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Oil Leak Detector In Tank Room	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Overfill Alarm By Oil Fill	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
KITCHEN	Inspected

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Question	Response
KITCHEN	
Instance	Basement
CO Detector	
Instance on Basement	Does not exist
CO/Gas Leak Detector	
Instance on Basement	Does not exist
Gas System	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Grease Trap	
Instance on Basement	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Hood	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	Next to food serving room (1/2)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
Hood Exhaust Ductwork	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Hood Exhaust Fan	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Hood Fire Suppression System	
Instance on Basement	Does not exist
Hot Water Temperature Booster	
Instance on Basement	Does not exist
Kitchen Sink	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
SCIENCE DEMO ROOM	
Instance	Room 114
Alternative Use	No
Instance	Rooms 309/313
Alternative Use	No
Instance	Room 113
Alternative Use	Yes
Acid Waste Neutralizing Tank	
Instance on Room 114	Does not exist
Instance on Rooms 309/313	Does not exist
Instance on Room 113	Does not exist
Emergency Shower	
Instance on Room 114	Does not exist
Instance on Rooms 309/313	Does not exist

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Question	Response
SCIENCE DEMO ROOM	
Emergency Shower	
Instance on Room 113	Does not exist
Eye Wash	
Instance on Room 114	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Instance on Rooms 309/313	Does not exist
Instance on Room 113	Does not exist
Laboratory Hood	
Instance on Room 114	Does not exist
Instance on Rooms 309/313	Does not exist
Instance on Room 113	Does not exist
Laboratory Sink	
Instance on Room 114	Inspected
Instance Condition	1- Good
Deficiency	No deficiencies recorded
Instance on Rooms 309/313	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Instance on Room 113	Inspected
Instance Condition	3- Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	Room 113
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
SCIENCE LAB	Inspected
Instance	Room 109
Alternative Use	No
Acid Waste Neutralizing Tank	
Instance on Room 109	Does not exist
CO Detector	
Instance on Room 109	Does not exist
CO/Gas Leak Detector	
Instance on Room 109	Does not exist
Emergency Shower	
Instance on Room 109	Does not exist
Eye Wash	
Instance on Room 109	Does not exist
Hood Exhaust Ductwork	
Instance on Room 109	Does not exist
Hood Exhaust Fan	
Instance on Room 109	Does not exist
Laboratory Hood	
Instance on Room 109	Does not exist
Laboratory Sink	
Instance on Room 109	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Make-up Air Unit	
Instance on Room 109	Does not exist

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Question	Response
SCIENCE PREP ROOM	Inspected
Instance	Rooms 111/211/311
Alternative Use	Yes
Acid Waste Neutralizing Tank	
Instance on Rooms 111/211/311	Does not exist
Emergency Shower	
Instance on Rooms 111/211/311	Does not exist
Eye Wash	
Instance on Rooms 111/211/311	Does not exist
Hood Exhaust Ductwork	
Instance on Rooms 111/211/311	Does not exist
Hood Exhaust Fan	
Instance on Rooms 111/211/311	Does not exist
Laboratory Hood	
Instance on Rooms 111/211/311	Does not exist
Laboratory Sink	
Instance on Rooms 111/211/311	Inspected
Instance Condition	3- Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	Rooms 111/211/311
Deficiency Quantity	3
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
Make-up Air Unit	
Instance on Rooms 111/211/311	Does not exist
SPRINKLERS, STANDPIPE, FIRE SYSTEM	Inspected
Deluge Valve	Does not exist
Fire Booster Pump Assembly	Does not exist
Roof Tank	Does not exist
Siamese Connection	Inspected
Condition	3- Fair
Deficiency	MISSING CAPS
Deficiency Location/Instance	Logan street side
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 4
Violations	10950998M
Sprinkler Alarm Valve Assembly	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Sprinkler Head	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Sprinkler Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Standpipe System	Does not exist
Water Gong	Does not exist
SWIMMING POOL	Does not exist
VENTILATION	Inspected

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Question	Response
VENTILATION	
Duct- Register / Diffuser	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Exhaust Fan	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Fire / Smoke Damper	Does not exist
Heating And Ventilating Unit	Inspected
Condition	3- Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Basement fan room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
Metal Ductwork	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Supply Fan	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Unit Ventilator	Does not exist