

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

Mechanical Inspection

X040

School: P.S. 220 - BRONX, 468 EAST 140 STREET, BRONX, NY, 10454

InspectionId	Inspection Type	Time In	Last Edited
1198017	MECHANICAL	2008-12-11 09:15AM	2009-01-08 09:54AM

Asset Data

Question	Answer
Heating Plant Oil Number	4
Have any Systems/Major Building Components been upgraded?	No System Upgraded

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	Does not exist
Refrigerant Piping	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Return Fan	Does not exist
Window Type A/C	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
CENTRAL ACID WASTE NEUTRALIZING TANK	Does not exist
CLIMATE CONTROL SYSTEM	Inspected
Damper Actuator	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
DDC Computer	Does not exist
Local Control Panel	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Pneumatic PRV Station	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Pneumatic Tubing	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Refrigerated Air Dryer	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Temperature Control Air Compressor	Inspected
Condition	3- Fair

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Question	Response
CLIMATE CONTROL SYSTEM	
Temperature Control Air Compressor	
Deficiency	No deficiencies recorded
Temperature Control Thermostat	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Temperature Control Zone Valve	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Terminal Unit Thermostatic Valve	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
COMPACTOR	Does not exist
CONVEYING	Inspected
Dumbwaiters	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Elevators	Does not exist
Escalators	Does not exist
Non-auditorium Handicap Lift	Does not exist
Sidewalk / Ash Hoist	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
DOMESTIC WATER SYSTEM	Inspected
Domestic Cold Water System	Inspected
Gravity System	Inspected
Roof Tank	Does not exist
Supply Pump	Does not exist
Pressure Booster System	Inspected
Electric Pressure Booster System	Does not exist
Hydraulic/Pneumatic Booster System	Does not exist
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	3- Fair
Deficiency	No deficiencies recorded
Domestic Hot Water Remote Storage Tank	Does not exist
Domestic Water Heat Exchanger	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Electric Domestic Water Heater	Does not exist
Gas Fired Domestic Water Heater	Does not exist
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

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Question	Response
DRAIN/WASTE/VENT AND STORM SYSTEM	
House Trap	
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	Does not exist
Sump Pump	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Vent Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
DUAL TEMPERATURE SYSTEM (CHILLED AND HOT WATER)	
Dual Temperature Piping	Does not exist
Dual Temperature Pump	Does not exist
Dual Temperature Terminal Fan Coil Unit	Does not exist
EMERGENCY GENERATOR	
	Does not exist
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	Does not exist
Sink And Fountain Combo Unit	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Toilet	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Urinal	Inspected

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Question	Response
FIXTURES	
Student	
Urinal	
Condition	3- Fair
Deficiency	No deficiencies recorded
GAS FIRED FURNACE	
	Does not exist
GAS SERVICE	
	Inspected
Gas Distribution Piping	
Condition	3- Fair
Deficiency	No deficiencies recorded
Gas Meter Room Exhaust Fan	
	Does not exist
Gas Meter Room Vent	
	Does not exist
Gas Pressure Booster	
	Does not exist
HEATING	
	Inspected
Baseboard/Fin Tube	
Condition	3- Fair
Deficiency	No deficiencies recorded
Heating Coils In Ductwork	
Condition	3- Fair
Deficiency	No deficiencies recorded
Hydronic Heating	
	Does not exist
Radiator / Convectector	
Condition	3- Fair
Deficiency	No deficiencies recorded
Steam Heating	
	Inspected
F&T/Steam Drip Trap	
Condition	3- Fair
Deficiency	No deficiencies recorded
MER Steam and Condensate Piping	
Condition	3- Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	250
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	
Condition	3- Fair
Deficiency	No deficiencies recorded
Steam Condensate Return System	
Condition	3- Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
Steam Piping	
Condition	3- Fair
Deficiency	No deficiencies recorded
Terminal Unit Thermostatic Trap	
	Inspected

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Question	Response
HEATING	
Steam Heating	
Terminal Unit Thermostatic Trap	
Condition	3- Fair
Deficiency	No deficiencies recorded
STEAM SUPPLIED BY EXTERNAL SOURCES	
Terminal Fan Coil Unit	Does not exist
Unit Heater/Cabinet Heater	Does not exist
HEATING PLANT	
Replacement Quantity	10,808
Replacement Uom	MBH
Boiler Auxiliaries	Inspected
Boiler Blowdown/Piping System	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Breeching	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Damper (In Breeching)	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Emergency Stop Switch	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Feedwater System	Inspected
Boiler Feedwater Pump	Does not exist
Boiler Feedwater Tank	Does not exist
Feedwater Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Feedwater Treatment(Automatic)	Does not exist
Boiler Gas Burner	Does not exist
Boiler Gas/Oil Burner	Does not exist
Boiler Header Valve	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Make-up Water Backflow Preventer	Inspected
Double Check Valves	Does not exist
RPZ	Does not exist
Boiler Make-up Water Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Oil Burner	Inspected
Condition	3- Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
Boiler Room Steam And Condensate Piping	Inspected
Condition	3- Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE

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Question	Response
HEATING PLANT	
Boiler Auxiliaries	
Boiler Room Steam And Condensate Piping	
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	250
Quantity Uom	L.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
Boiler Safety Valve	
Condition	3- Fair
Deficiency	No deficiencies recorded
Burner Control Panel	
Condition	3- Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
Boiler System	
	Inspected
Coal-fired Boiler	
	Does not exist
Hot Water Boiler	
	Does not exist
Modular Boiler	
	Does not exist
Steam Boiler	
Instance	Boiler room
Instance Condition	3- Fair
Instance Quantity	5,404
Instance Quantity Uom	MBH
Manufacturer	KEWANEE
EquipmentId	53031-1
Capacity/Size	60 GPH
Installation Year	1967
Deficiency	No deficiencies recorded
Instance	Boiler room
Instance Condition	3- Fair
Instance Quantity	5,404
Instance Quantity Uom	MBH
Manufacturer	KEWANEE
EquipmentId	53031-2
Capacity/Size	60 GPH
Installation Year	1967
Deficiency	No deficiencies recorded
Fuel Systems	
	Inspected
Boiler Fresh Air Louver/Damper	
Condition	3- Fair
Deficiency	No deficiencies recorded
CO/Gas Leak Detection	
	Does not exist
Fuel Oil Heater	
Condition	3- Fair
Deficiency	No deficiencies recorded
Fuel Oil Level Gauge	
	Inspected

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HEATING PLANT	
Fuel Systems	
Fuel Oil Level Gauge	
Condition	3- Fair
Deficiency	No deficiencies recorded
Fuel Oil Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Fuel Oil Tank	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Fuel Transfer Pump	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Gas Trains And Vent At The Boiler	Does not exist
Oil Leak Detector In Tank Room	Does not exist
Overfill Alarm By Oil Fill	Does not exist
KITCHEN	Inspected
Instance	KITCHEN
CO Detector	
Instance on KITCHEN	Does not exist
CO/Gas Leak Detector	
Instance on KITCHEN	Does not exist
Gas System	
Instance on KITCHEN	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Grease Trap	
Instance on KITCHEN	Not required
Hood	
Instance on KITCHEN	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Hood Exhaust Ductwork	
Instance on KITCHEN	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Hood Exhaust Fan	
Instance on KITCHEN	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Hood Fire Suppression System	
Instance on KITCHEN	Does not exist
Hot Water Temperature Booster	
Instance on KITCHEN	Does not exist
Kitchen Sink	
Instance on KITCHEN	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
SCIENCE DEMO ROOM	Does not exist
SCIENCE LAB	Does not exist
SCIENCE PREP ROOM	Does not exist
SPRINKLERS, STANDPIPE, FIRE SYSTEM	Inspected
Deluge Valve	Does not exist

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Question	Response
SPRINKLERS, STANDPIPE, FIRE SYSTEM	
Fire Booster Pump Assembly	Does not exist
Roof Tank	Does not exist
Siamese Connection	Does not exist
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	Inspected
Hose Valve Assembly	Does not exist
Piping	Does not exist
Water Gong	Does not exist
SWIMMING POOL	Does not exist
VENTILATION	Inspected
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	Does not exist
Metal Ductwork	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Supply Fan	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Unit Ventilator	Inspected
Condition	3- Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	1st Floor
Deficiency Quantity	4
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded