

**NYC Department of Education
Building Condition Assessment Survey 2010-2011**

Mechanical Inspection

X040

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

InspectionId	Inspection Type	Time In	Last Edited
1700037	MECHANICAL	2010-10-27 08:42AM	2010-11-19 09:07AM

Asset Data

Question	Answer
Have any Systems/Major Building Components been upgraded?	Systems: Gas Meter Room Vent, New Condensate Pump Set (1 set of 2), Sump Pump (1 of 2) Years: 2010 Systems: MDF Room DX Split System Years: 2004 Systems: Boiler Re-Tubing, Boiler #2 Refractory Repair Years: 2008 Systems: Partial Thermostat Replacement Years: 2009
Are there fuel tanks?	Yes
Total # of above ground tanks	2
Total capacity of all above ground tanks in gal.	15,000
Total # of below ground tanks	0
Total capacity of all below ground tanks in gal.	0

Priority Condition

No condition recorded

Inspection

Question	Response
MECHANICAL	
AIR CONDITIONING	Does not exist
CENTRAL ACID WASTE NEUTRALIZING TANK	Does not exist
CLIMATE CONTROL SYSTEM	Inspected
DDC SYSTEM	Does not exist
ELECTRIC SYSTEM	Does not exist
HYBRID SYSTEM	Does not exist
PNEUMATIC SYSTEM	Inspected
Instance	Throughout Building
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Building Area Covered by Operational System	81-100%
Deficiency	DEFECTIVE TEMPERATURE CONTROL THERMOSTAT
Deficiency Location/Instance	Rooms 203, 206, 301, 302, 305, 307, 413 and Auditorium
Deficiency Quantity	8
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
COMPACTOR	Does not exist
CONVEYING	Inspected
ASH HOIST	Inspected
Condition	3- Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	Basement
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1

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Question	Response
CONVEYING	
ASH HOIST	
Violations	No violations recorded
DUMBWAITERS	Inspected
Condition	4- Between Fair and Poor
Deficiency	DEFECTIVE
Deficiency Location/Instance	Basement
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
ELEVATORS	Does not exist
ESCALATORS	Does not exist
Non-auditorium Handicap Lift - Stair	Does not exist
Non-auditorium Handicap Lift - Vertical	Does not exist
SIDEWALK ELEVATOR	Does not exist
DOMESTIC WATER SYSTEM	Inspected
DOMESTIC COLD WATER SYSTEM	Inspected
Gravity System	Does not exist
Pressure Booster System	Does not exist
Water Service	Inspected
Service Piping (Water Main)	Inspected
Condition	4- Between Fair and Poor
Deficiency	DETERIORATED
Deficiency Location/Instance	Crawlspace area in basement/Water main corroded(1 of 2)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations 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
Deficiency	No deficiencies recorded
INTERIOR FLOOR DRAIN	Inspected
Condition	3- Fair

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DRAIN/WASTE/VENT AND STORM SYSTEM	
INTERIOR FLOOR DRAIN	
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	2- Between Good and Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Basement near boilers (1 of 2)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
VENT PIPING	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
DUAL TEMPERATURE SYSTEM (CHILLED AND HOT WATER)	Does not exist
FIXTURES	Inspected
STAFF AND OTHER	Inspected
Janitor Sink	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Lavatory/Sink	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE AUXILIARY (FAUCET, SHUT OFF VALVE,ETC.)
Deficiency Location/Instance	Men's Toilet Room 420, Room 130
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations 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

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Question	Response
FIXTURES	
STUDENT	
Sink And Fountain Combo Unit	
Condition	3- Fair
Deficiency	No deficiencies recorded
Toilet	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE FLUSHOMETER VALVE
Deficiency Location/Instance	Boy's Toilet Room 317
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Urinal	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE FLUSHOMETER VALVE
Deficiency Location/Instance	Boy's Rooms 217 & 317
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
GAS FIRED FURNACE	Does not exist
GAS SERVICE	Inspected
CO/GAS LEAK DETECTION	Does not exist
GAS DISTRIBUTION PIPING	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
GAS METER ROOM EXHAUST FAN	Does not exist
GAS METER ROOM VENT	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
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 / CONVECTOR	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
STEAM HEATING	Inspected
F&T/Steam Drip Trap	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
MER Steam and Condensate Piping	Inspected
Condition	3- Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Basement

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Question	Response
HEATING	
STEAM HEATING	
MER Steam and Condensate Piping	
Deficiency Quantity	200
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 Pumping System	
Condition	2- Between Good and Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Boiler Room/ (1 of 2)
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	
Condition	3- Fair
Deficiency	No deficiencies recorded
STEAM SUPPLIED BY EXTERNAL SOURCES	
Does not exist	
UNIT HEATER/CABINET HEATER	
Does not exist	
HEATING PLANT	
Replacement Quantity	9,782
Replacement Uom	MBH
Instance	Basement Boiler Room
Burner Type	Oil
Heating Plant Oil Number	6
BOILER AUXILIARIES	
Instance on Basement Boiler Room	Inspected
Boiler Auxiliary Piping	
Instance on Basement Boiler Room	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Emergency Stop Switch	
Instance on Basement Boiler Room	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Feedwater System	
Instance on Basement Boiler Room	Does not exist
Boiler Feedwater Treatment(Automatic)	
Instance on Basement Boiler Room	Does not exist
Boiler Flue Exhaust	
Instance on Basement Boiler Room	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Make-up Water Backflow Preventer	

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Question	Response
HEATING PLANT	
BOILER AUXILIARIES	
Boiler Make-up Water Backflow Preventer	
Instance on Basement Boiler Room	Does not exist
Boiler Room Steam And Condensate Piping	
Instance on Basement Boiler Room	Inspected
Instance Condition	3- Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Basement Boiler Room
Deficiency Quantity	200
Quantity Uom	L.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	DEFECTIVE HEADER VALVE
Deficiency Location/Instance	Basement Boiler Room
Deficiency Quantity	3
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Boiler Safety Valve	
Instance on Basement Boiler Room	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
BOILER SYSTEM	
Instance on Basement Boiler Room	Inspected
Coal-fired Boiler	
Instance on Basement Boiler Room	Does not exist
Hot Water Boiler	
Instance on Basement Boiler Room	Does not exist
Modular Boiler	
Instance on Basement Boiler Room	Does not exist
Steam Boiler	
Instance on Basement Boiler Room	Inspected
Instance	Basement Boiler Room
Instance Condition	3- Fair
Instance Quantity	4,891
Instance Quantity Uom	MBH
Manufacturer	Kewanee
EquipmentId	53031-1
Capacity/Size	6300 MBH (Gross)
Installation Year	1967
Source of Installation Year	Documented
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
Instance	Basement Boiler Room
Instance Condition	3- Fair
Instance Quantity	4,891

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Question	Response
HEATING PLANT	
BOILER SYSTEM	
Steam Boiler	
Instance Quantity Uom	MBH
Manufacturer	Kewanee
EquipmentId	53031-2
Capacity/Size	6300 MBH (Gross)
Installation Year	1967
Source of Installation Year	Documented
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
FUEL SYSTEMS	
Instance on Basement Boiler Room	Inspected
Boiler Fresh Air Louver/Damper	
Instance on Basement Boiler Room	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Burner/Burner Control Panel	
Instance on Basement Boiler Room	Inspected
Instance Condition	3- Fair
Deficiency	OIL BURNER:BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Basement 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
Deficiency	BURNER CONTROL PANEL:BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Basement 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
Fuel Oil Storage/Supply System	
Instance on Basement Boiler Room	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Gas Trains And Vent At The Boiler	
Instance on Basement Boiler Room	Does not exist
IDF (ENCLOSED ROOMS)	
Instance	Auditorium Side Stage Room
A/C EQUIPMENT	
Instance on Auditorium Side Stage Room	Inspected
Instance Condition	4- Between Fair and Poor
Deficiency	DOES NOT EXIST
Deficiency Location/Instance	Auditorium Side Stage Room
Deficiency Quantity	1

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Question	Response
IDF (ENCLOSED ROOMS)	
A/C EQUIPMENT	
Quantity Uom	EACH
Potential Action	INSTALL
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
VENTILATION EQUIPMENT	
Instance on Auditorium Side Stage Room	Does not exist
KITCHEN	
Instance	Inspected
Instance	1st Floor
CO DETECTOR	
Instance on 1st Floor	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
GAS SYSTEM	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
GREASE TRAP	
Instance on 1st Floor	Inspected
Instance Condition	4- Between Fair and Poor
Deficiency	DEFECTIVE/CLOGGED
Deficiency Location/Instance	Main Grease Trap in Basement
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
HOOD	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
HOOD EXHAUST DUCTWORK	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
HOOD EXHAUST FAN	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
HOOD FIRE SUPPRESSION SYSTEM	
Instance on 1st Floor	Does not exist
HOT WATER TEMPERATURE BOOSTER	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
KITCHEN SINK	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
MDF ROOM	
Instance	Inspected
Instance	Room 310
A/C EQUIPMENT	

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Question	Response
MDF ROOM	
A/C EQUIPMENT	
Instance on Room 310	Inspected
Instance Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
VENTILATION EQUIPMENT	
Instance on Room 310	Does not exist
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
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	Does not exist
WATER GONG	Does not exist
SWIMMING POOL	Does not exist
VENTILATION	Inspected
EXHAUST FAN	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
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	Room 105, 106, 107, 108, 109, 111
Deficiency Quantity	6
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded