

NYC Department of Education
Building Condition Assessment Survey 2017 - 2018

Mechanical Inspection

K099

Asset: P.S. 99 - BROOKLYN, 1120 EAST 10 STREET, New York, 11230

Inspection Id	Inspection Type	Time In	Last Edited
ME : K099	Mechanical	2018-04-02 8:42 AM	2018-04-02 2:23 PM

Asset Data

Question	Answer
Are there fuel tanks?	Yes
Total # of above ground tanks	1
Total capacity of all above ground tanks in gal.	6,600
Total # of below ground tanks	0
Total capacity of all below ground tanks in gal.	0
Total # of water main service entries to the asset	2
MERs/Fan Rooms Locations	Cafeteria West MER, Multipurpose Room East and West MERs
Are there any spaces with Missing or Defective CO Detectors?	No
Are there any Emergency Stop Switches with Missing Hammers?	No
Are there any Painted/Obstructed Sprinkler Heads?	Yes
Location(s)	Kitchen Storage Room, Paint Room, Room 107
Have any Systems/Major Building Components been upgraded?	Yes
	Systems: Fixtures - Student: Toilets (50%), Urinals (50%); Fixtures - Staff and Other: Toilets
	Years: 2017
	Systems: Fixtures - Student: Toilets (50%), Urinals (50%)
	Years: 2015
	Systems: F&T/Steam Drip Traps
	Years: 2011
	Systems: Science Lab; Electric Domestic Water Heater for Science Lab; MDF Room - Dedicated A/C Equipment (DX Split System)
	Years: 2010
	Systems: Gas Fired Domestic Water Heater; Domestic Hot Water Remote Storage Tank
	Years: 2009

Priority Condition

Priority Condition Exist Last Year?	Priority Category	Condition Description	Component Affected	Location Description	Person(s) Notified	Person(s) Title	Status	PhotoImage
No	Defective Boiler Safety Auxiliary	Defective Lower Water Cut-Off on Boiler #2	HEATING PLANT Boiler System Steam Boiler	Boiler Room	Scott Martin	Custodian	Sent to DSF	

Inspection

Question	Response
Mechanical	
AIR CONDITIONING	Does not Exist
CENTRAL ACID WASTE NEUTRALIZING TANK	Does not Exist
CLIMATE CONTROL SYSTEM	Inspected
BMS	Does not Exist
Pneumatic System	Inspected
Instance	Auditorium, Cafeteria - East and West, Multipurpose Room
Instance Condition	3 - Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Building Area Covered by Operational System	61-80%

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Question	Response
CLIMATE CONTROL SYSTEM	
Pneumatic System	
Deficiency	DEFECTIVE TEMPERATURE CONTROL ZONE VALVE
Deficiency Location/Instance	Multipurpose Room East MER
Deficiency Quantity	4
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Hybrid System	
	Does not Exist
Electric System	
	Does not Exist
COMPACTOR	
	Does not Exist
CONVEYING	
	Does not Exist
DOMESTIC WATER SYSTEM	
Domestic Cold Water System	
	Inspected
Gravity System	
	Does not Exist
Pressure Booster System	
	Inspected
Electric Pressure Booster System	
	Does not Exist
Hydraulic/Pneumatic Booster System	
	Inspected
Water Pressure Booster - Compressor	
	Inspected
Condition	3 - Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	Multipurpose Room East MER
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Pressure Booster Pump	
	Inspected
Condition	3 - Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	Multipurpose Room East MER
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Domestic Cold Water Tank	
	Inspected
Condition	3 - Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	Multipurpose Room East MER
Deficiency Quantity	1
Quantity Uom	EACH

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Question	Response
DOMESTIC WATER SYSTEM	
Domestic Cold Water System	
Pressure Booster System	
Hydraulic/Pneumatic Booster System	
Domestic Cold Water Tank	
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Water Service	Inspected
Instance	East Multipurpose Room
Instance Condition	1 - Good
Instance Quantity	1
Instance Quantity Uom	EACH
Deficiency	WATER MAIN: DEFECTIVE ISOLATION VALVE
Deficiency Location/Instance	East Multipurpose Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Deficiency	WATER MAIN: MISSING BACKFLOW PREVENTION DEVICE
Deficiency Location/Instance	East Multipurpose Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	INSTALL
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Instance	West Cafeteria
Instance Condition	1 - Good
Instance Quantity	1
Instance Quantity Uom	EACH
Deficiency	WATER MAIN: MISSING BACKFLOW PREVENTION DEVICE
Deficiency Location/Instance	West Cafeteria
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	INSTALL
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Domestic Hot Water System	Inspected
Domestic Hot Water Remote Storage Tank	
Condition	1 - Good

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Question	Response
DOMESTIC WATER SYSTEM	
Domestic Hot Water System	
Domestic Hot Water Remote Storage Tank	Inspected
Deficiency	No deficiencies recorded
Domestic Water Heat Exchanger	Does not Exist
Electric Domestic Water Heater	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
Gas Fired Domestic Water Heater	Inspected
Instance	Boiler Room
Instance Condition	2 - Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Instance Manufacturer	Laars
Equipment	N/A
Capacity/Size Quantity	500
Capacity/Size UOM	MBH Input
Capacity/Size2 Quantity	0
Capacity/Size2 UOM	Gallons
Source of Capacity/Size	Documented
Installation Year	2009
Source of Installation	Documented
Deficiency	DEFECTIVE FLUE EXHAUST
Deficiency Location/Instance	Boiler Room (Barometric Damper)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Oil Fired Domestic Water Heater	Does not Exist
Domestic Water Distribution Piping	Inspected
Condition	3 - Fair
Deficiency	DEFECTIVE BACKFLOW PREVENTER
Deficiency Location/Instance	Closet adjacent to Science Lab 310
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
DRAIN/WASTE/VENT AND STORM SYSTEM	
	Inspected
Interior Storm Piping	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Sewage/Waste/Vent Piping	Inspected
Condition	3 - Fair

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Question	Response
DRAIN/WASTE/VENT AND STORM SYSTEM	
Sewage/Waste/Vent Piping	Inspected
Deficiency	No deficiencies recorded
Sewage Ejector Pump	Does not Exist
Sump Pump	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	No deficiencies recorded
Toilet	Inspected
Condition	1 - Good
Deficiency	No deficiencies recorded
Urinal	Does not Exist
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	1 - Good
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	3 - Fair
Deficiency	No deficiencies recorded
Gas Meter Room Vent	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
Gas Pressure Booster	Does not Exist

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Question	Response
GAS SERVICE	
CO/Gas Leak Detection	Inspected
Instance	Boiler Room and Gas Meter Room
Instance Condition	3 - Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Installation Year	1997
Source of Installation	Documented
Deficiency	BEYOND USEFUL LIFE
Deficiency Location/Instance	Boiler Room and Gas Meter Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
HEATING	
	Inspected
Heating Coil In Ductwork	Does not Exist
Hydronic Heating	Does not Exist
Radiator/Convactor/Fin Tube	Inspected
Condition	3 - Fair
Deficiency	AUXILIARY (VALVE, VENT): DEFECTIVE
Deficiency Location/Instance	Throughout
Deficiency Quantity	100
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Steam Heating	Inspected
F&T/Steam Drip Trap	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
MER Steam and Condensate Piping	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Steam Condensate Return Piping	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Steam Condensate Return Pumping System	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
Steam Piping	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Terminal Unit Thermostatic Trap	Inspected
Condition	5 - Poor

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Question	Response
HEATING	
Steam Heating	
Terminal Unit Thermostatic Trap	
Deficiency	DEFECTIVE/DETERIORATED
Deficiency Location/Instance	Throughout Basement
Deficiency Quantity	14
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Steam supplied by External Sources	Does not Exist
Unit Heater/Cabinet Heater	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
HEATING PLANT	
Replacement Quantity	8,598
Replacement Uom	MBH Net
Instance on Basement	Inspected
Burner Type	Dual Fuel (Gas/Oil)
Heating Plant Oil Number	2
Boiler Auxiliaries	Inspected
Instance on Basement	Inspected
Boiler Auxiliary Piping	
Instance on Basement	Inspected
Condition	3 - Fair
Deficiency	DEFECTIVE BOILER AUTOMATIC FEEDWATER VALVE
Deficiency Location/Instance	Boiler Room / Boiler #1, #2
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Boiler Emergency Stop Switch	
Instance on Basement	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Boiler Feedwater System	
Instance on Basement	Inspected
Condition	3 - Fair
Deficiency	FEEDWATER PUMP: DEFECTIVE/DETERIORATED
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2

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Question	Response
HEATING PLANT	
Boiler Auxiliaries	
Boiler Feedwater System	
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Boiler Feedwater Treatment(Automatic)	
Instance on Basement	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Boiler Flue Exhaust	
Instance on Basement	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Boiler Make-up Water Backflow Preventer	
Instance on Basement	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Boiler Room Steam And Condensate Piping	
Instance on Basement	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Boiler Safety Valve	
Instance on Basement	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Boiler System	
Instance on Basement	Inspected
Coal-fired Boiler	
Instance on Basement	Does not Exist
Hot Water Boiler	
Instance on Basement	Does not Exist
Modular Boiler	
Instance on Basement	Does not Exist
Steam Boiler	
Instance on Basement	Inspected
Instance	Boiler Room
Instance Condition	3 - Fair
Instance Quantity	4,299
Instance Quantity Uom	MBH Net
Instance Manufacturer	A. L. Eastmond & Sons Inc.
Equipment	8598-01
Capacity/Size Quantity	4,299
Capacity/Size UOM	MBH Net
Source of Capacity/Size	Documented
Installation Year	1997
Source of Installation	Documented
Deficiency	No deficiencies recorded
Instance	Boiler Room
Instance Condition	3 - Fair
Instance Quantity	4,299

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Question	Response
HEATING PLANT	
Boiler System	
Steam Boiler	
Instance Quantity Uom	MBH Net
Instance Manufacturer	A. L. Eastmond & Sons Inc.
Equipment	8598-02
Capacity/Size Quantity	4,299
Capacity/Size UOM	MBH Net
Source of Capacity/Size	Documented
Installation Year	1997
Source of Installation	Documented
Deficiency	DEFECTIVE SAFETY AUXILIARY: LOW-WATER CUT-OFF, WATER COLUMN ASSEMBLY
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Deficiency	LEAKY/PLUGGED TUBES
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Fuel System	Inspected
Instance on Basement	Inspected
Boiler Fresh Air Louver/Damper	
Instance on Basement	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Burner/Burner Control Panel	
Instance on Basement	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Fuel Oil Storage/Supply System	
Instance on Basement	Inspected
Condition	3 - Fair
Deficiency	OVERFILL ALARM BY OIL FILL: DEFECTIVE
Deficiency Location/Instance	Building Exterior
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.

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Question	Response
HEATING PLANT	
Fuel System	
Fuel Oil Storage/Supply System	
Deficiency	FUEL OIL LEVEL GAUGE: DEFECTIVE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Gas Trains And Vent At The Boiler	
Instance on Basement	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Enclosed IDF Room	
Instance on Room C221	Inspected
Dedicated A/C Equipment	
Instance on Room C221	Inspected
Condition	4 - Between Fair and Poor
Deficiency	DOES NOT EXIST
Deficiency Location/Instance	Room C221
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	INSTALL
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
KITCHEN	
Instance on Basement	Inspected
CO Detector	
Instance on Basement	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Gas System	
Instance on Basement	Does not Exist
Grease Trap	
Instance on Basement	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Hood	
Instance on Basement	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Hood Exhaust Ductwork	
Instance on Basement	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded

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Question	Response
KITCHEN	
Hood Exhaust Fan	Does not Exist
Instance on Basement	Does not Exist
Hood Fire Suppression System	Does not Exist
Instance on Basement	Does not Exist
Hot Water Temperature Booster	Does not Exist
Instance on Basement	Does not Exist
Kitchen Sink	Inspected
Instance on Basement	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
MDF Room	Inspected
Instance on Room C111	Inspected
Dedicated A/C Equipment	Inspected
Instance on Room C111	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
SCIENCE DEMO ROOM	Does not Exist
SCIENCE LAB	Inspected
Instance on Room 310	Inspected
Alternative use	No
Acid Waste Neutralizing Tank	Inspected
Instance on Room 310	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
CO Detector	Inspected
Instance on Room 310	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Emergency Shower	Does not Exist
Instance on Room 310	Does not Exist
Eye Wash	Inspected
Instance on Room 310	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
Hood Exhaust Ductwork	Does not Exist
Instance on Room 310	Does not Exist
Hood Exhaust Fan	Does not Exist
Instance on Room 310	Does not Exist
Fixed Laboratory Hood	Does not Exist
Instance on Room 310	Does not Exist
Laboratory Sink	Inspected
Instance on Room 310	Inspected
Condition	2 - Between Good and Fair
Deficiency	No deficiencies recorded
Make-up Air Unit	Does not Exist
Instance on Room 310	Does not Exist
SCIENCE PREP ROOM	Does not Exist
SPRINKLERS, STANDPIPE, FIRE SYSTEM	Inspected
Dry Sprinkler Alarm Valve Assembly	Does not Exist

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Question	Response
SPRINKLERS, STANDPIPE, FIRE SYSTEM	
Dry Sprinkler Alarm Valve Assembly	Does not Exist
Wet Sprinkler Alarm Valve Assembly	Does not Exist
Fire Booster Pump Assembly	Does not Exist
Roof Tank	Does not Exist
Siamese Connection	Does not Exist
Sprinkler Head	Inspected
Condition	4 - Between Fair and Poor
Deficiency	DEFECTIVE/DETERIORATED
Deficiency Location/Instance	Kitchen Storage Room, Paint Room, Room 107
Deficiency Quantity	7
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Deficiency Photo1	No photo recorded
Violations	No violations 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
Approximate Total # of Fans	1-25
Condition	3 - Fair
Deficiency	DEFECTIVE MOTOR
Deficiency Location/Instance	Roof
Deficiency Quantity	3
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded
Violations	No violations recorded.
Heating And Ventilating Unit	Inspected
Condition	3 - Fair
Deficiency	No deficiencies recorded
Metal Ductwork	Inspected
Condition	3 - Fair
Deficiency	DAMAGED FLEXIBLE CONNECTION
Deficiency Location/Instance	Multipurpose Room East MER / Auditorium Blower
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Deficiency Photo1	No photo recorded

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Question	Response
VENTILATION	
Metal Ductwork	Inspected
Violations	No violations recorded.
Supply Fan	Does not Exist
Unit Ventilator	Does not Exist