

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

Mechanical Inspection

Q042

School: P.S. 42 - QUEENS, 488 BEACH 66 STREET, QUEENS, NY, 11692

InspectionId	Inspection Type	Time In	Last Edited
1186044	MECHANICAL	2009-01-22 08:43AM	2009-02-03 03:22PM

Asset Data

Question	Answer
Heating Plant Oil Number	6
Have any Systems/Major Building Components been upgraded?	Systems: Supply Fans, Exhaust Fans Climate Control and Radiators (90%) Years: 1999

Priority Condition

No condition recorded

Inspection

Question	Response
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MECHANICAL

AIR CONDITIONING

Chilled Water System	Inspected
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	Does not exist
Packaged / Rooftop Unit	Does not exist
Packaged Terminal A/C	Does not exist
Refrigerant Piping	Does not exist
Return Fan	Does not exist
Window Type A/C	Inspected
Condition	2- Between Good and Fair
Deficiency	DEFECTIVE
Deficiency Location/Instance	Room 403
Deficiency Quantity	1
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

Does not exist

CLIMATE CONTROL SYSTEM

Inspected

Damper Actuator

Inspected

Condition	1- Good
Deficiency	No deficiencies recorded

DDC Computer

Does not exist

Local Control Panel

Inspected

Condition	1- Good
Deficiency	No deficiencies recorded

Pneumatic PRV Station

Inspected

Condition	1- Good
Deficiency	No deficiencies recorded

Pneumatic Tubing

Inspected

Condition	3- Fair
Deficiency	No deficiencies recorded

Refrigerated Air Dryer

Inspected

Condition	2- Between Good and Fair
Deficiency	DEFECTIVE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	1

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

Mechanical Inspection

Q042

Question	Response
CLIMATE CONTROL SYSTEM	
Refrigerated Air Dryer	
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Temperature Control Air Compressor	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Temperature Control Thermostat	Inspected
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
Temperature Control Zone Valve	Inspected
Condition	2- Between Good and 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	Does not exist
DOMESTIC WATER SYSTEM	Inspected
Domestic Cold Water System	Inspected
Gravity System	Inspected
Roof Tank	Inspected
Condition	3- Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	Penthouse
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	NO ACTION
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 1
Violations	No violations recorded
Supply Pump	Does not exist
Pressure Booster System	Inspected
Electric Pressure Booster System	Does not exist
Hydraulic/Pneumatic Booster System	Inspected
Domestic Cold Water Tank	Inspected
Condition	3- Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REMOVE
Urgency of Action	PRIORITY 2
Purpose of Action	LEVEL 1
Violations	No violations recorded

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

Mechanical Inspection

Q042

Question	Response
DOMESTIC WATER SYSTEM	
Domestic Cold Water System	
Pressure Booster System	
Hydraulic/Pneumatic Booster System	
Pressure Booster Pump	Inspected
Condition	3- Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	REMOVE
Urgency of Action	PRIORITY 2
Purpose of Action	LEVEL 1
Violations	No violations recorded
Water Pressure Booster - Compressor	Inspected
Condition	3- Fair
Deficiency	NOT IN USE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REMOVE
Urgency of Action	PRIORITY 2
Purpose of Action	LEVEL 1
Violations	No violations recorded
Water Service	Inspected
Service Piping (Water Main)	Inspected
Condition	2- Between Good and 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	2- Between Good and Fair
Deficiency	No deficiencies recorded
Domestic Hot Water Remote Storage Tank	Does not exist
Domestic Water Heat Exchanger	Inspected
Condition	3- Fair
Deficiency	FLANGE LEAKS
Deficiency Location/Instance	Basement (PVI Tank with steam coil)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Electric Domestic Water Heater	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
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	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Throughout
Deficiency Quantity	2,100
Quantity Uom	L.F.

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

Mechanical Inspection

Q042

Question	Response
DOMESTIC WATER SYSTEM	
Domestic Water Distribution Piping	
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
DRAIN/WASTE/VENT AND STORM SYSTEM	
House Trap	
Condition	Inspected
Deficiency	3- Fair
Interior Floor Drain	
Condition	Inspected
Deficiency	3- Fair
Interior Storm Piping	
Condition	Inspected
Deficiency	3- Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Throughout
Deficiency Quantity	800
Quantity Uom	L.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
Sewage / Waste Piping	
Condition	Inspected
Condition	3- Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Throughout
Deficiency Quantity	550
Quantity Uom	L.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
Sewage Ejector Pump	
	Does not exist
Sump Pump	
Condition	Inspected
Condition	3- Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Basement Hot Water Tank Room(Submerged)
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	
Condition	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
DUAL TEMPERATURE SYSTEM (CHILLED AND HOT WATER)	
	Does not exist
EMERGENCY GENERATOR	
	Does not exist
FIXTURES	
	Inspected
Staff And Other	
	Inspected
Boiler Room - Eye Wash	
	Does not exist
Janitor Sink	
Condition	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Lavatory/Sink	
	Inspected

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

Mechanical Inspection

Q042

Question	Response
FIXTURES	
Staff And Other	
Lavatory/Sink	
Condition	3- Fair
Deficiency	No deficiencies recorded
Toilet	
Condition	3- Fair
Deficiency	No deficiencies recorded
Urinal	
	Does not exist
Student	
	Inspected
Drinking Fountain	
	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Lavatory/Sink	
Condition	3- Fair
Deficiency	CRACKED/PHYSICAL DAMAGE
Deficiency Location/Instance	1st Floor Girl's Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Locker Room Shower	
	Does not exist
Sink And Fountain Combo Unit	
	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Toilet	
Condition	3- Fair
Deficiency	DEFECTIVE
Deficiency Location/Instance	5th Floor Boy's Room (Broken)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
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	
	Does not exist
Hydronic Heating	
	Does not exist
Radiator / Convactor	
	Inspected

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

Mechanical Inspection

Q042

Question	Response
HEATING	
Radiator / Convect	
Condition	2- Between Good and Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Hallways, stairwells and Some offices
Deficiency Quantity	20
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
Steam Heating	Inspected
F&T/Steam Drip Trap	
Condition	2- Between Good and Fair
Deficiency	No deficiencies recorded
MER Steam and Condensate Piping	
Condition	1- Good
Deficiency	No deficiencies recorded
Steam Condensate Return Piping	
Condition	3- Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Throughout
Deficiency Quantity	1,500
Quantity Uom	L.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	LEAKS
Deficiency Location/Instance	1st Floor Stairwell D
Deficiency Quantity	10
Quantity Uom	L.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Steam Condensate Return System	
Condition	3- Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Boiler Room, Basement Oil Pump Room & Basement Fan Room
Deficiency Quantity	5
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	DEFECTIVE TANK
Deficiency Location/Instance	Basement Oil Pump Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Steam Piping	
Condition	3- Fair

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

Mechanical Inspection

Q042

Question	Response
HEATING	
Steam Heating	
Steam Piping	
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Throughout
Deficiency Quantity	1,500
Quantity Uom	L.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
Terminal Unit Thermostatic Trap	
Condition	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE
Deficiency Location/Instance	Various Locations
Deficiency Quantity	20
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
STEAM SUPPLIED BY EXTERNAL SOURCES	
Does not exist	
Terminal Fan Coil Unit	
Does not exist	
Unit Heater/Cabinet Heater	
Condition	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE CONTROL/SWITCH
Deficiency Location/Instance	kitchen
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	kitchen
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
HEATING PLANT	
Inspected	
Replacement Quantity	18,042
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

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

Mechanical Inspection

Q042

Question	Response
HEATING PLANT	
Boiler Auxiliaries	
Boiler Emergency Stop Switch	
Deficiency	No deficiencies recorded
Boiler Feedwater System	Inspected
Boiler Feedwater Pump	Does not exist
Boiler Feedwater Tank	Does not exist
Feedwater Piping	Inspected
Condition	4- Between Fair and Poor
Deficiency	DEFECTIVE/LEAKS
Deficiency Location/Instance	Boiler Room (By Chemical funnel)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations 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	Does not exist
Boiler Make-up Water Piping	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Oil Burner	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE
Deficiency Location/Instance	Boiler Room/Burner #1
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	3
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
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	350
Quantity Uom	L.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 1
Purpose of Action	LEVEL 2
Violations	No violations recorded
Boiler Safety Valve	Inspected

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

Mechanical Inspection

Q042

Question	Response
HEATING PLANT	
Boiler Auxiliaries	
Boiler Safety Valve	
Condition	3- Fair
Deficiency	No deficiencies recorded
Burner Control Panel	
Condition	Inspected
Condition	3- Fair
Deficiency	BEYOND USEFUL LIFE - NON DEFECTIVE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	3
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	Inspected
Instance	Boiler Room
Instance Condition	3- Fair
Instance Quantity	6,014
Instance Quantity Uom	MBH
Manufacturer	Federal
EquipmentId	7942-01
Capacity/Size	6014 MBH (Net)
Installation Year	1952
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
Instance	Boiler Room
Instance Condition	3- Fair
Instance Quantity	6,014
Instance Quantity Uom	MBH
Manufacturer	Federal
EquipmentId	7942-02
Capacity/Size	6014 MBH (Net)
Installation Year	1952
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
Deficiency	PLUGGED TUBES
Deficiency Location/Instance	Boiler Room/ Boiler #2
Deficiency Quantity	8
Quantity Uom	EACH
Potential Action	REPLACE

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

Mechanical Inspection

Q042

Question	Response
HEATING PLANT	
Boiler System	
Steam Boiler	
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Instance	Boiler Room
Instance Condition	3- Fair
Instance Quantity	6,014
Instance Quantity Uom	MBH
Manufacturer	Federal
EquipmentId	7942-03
Capacity/Size	6014 MBH (Net)
Installation Year	1952
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
Deficiency	PLUGGED TUBES
Deficiency Location/Instance	Boiler Room/ Boiler #3
Deficiency Quantity	8
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Fuel Systems	Inspected
Boiler Fresh Air Louver/Damper	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
CO/Gas Leak Detection	Does not exist
Fuel Oil Heater	Inspected
Condition	4- Between Fair and Poor
Deficiency	DEFECTIVE
Deficiency Location/Instance	Basement Oil pump Room (Electric Heater)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Fuel Oil Level Gauge	Inspected
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

NYC Department of Education
Building Condition Assessment Survey 2008-2009

Mechanical Inspection

Q042

Question	Response
HEATING PLANT	
Fuel Systems	
Fuel Transfer Pump	
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	1st Floor
CO Detector	
Instance on 1st Floor	Does not exist
CO/Gas Leak Detector	
Instance on 1st Floor	Does not exist
Gas System	
Instance on 1st Floor	Does not exist
Grease Trap	
Instance on 1st Floor	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Hood	
Instance on 1st Floor	Does not exist
Hood Exhaust Ductwork	
Instance on 1st Floor	Does not exist
Hood Exhaust Fan	
Instance on 1st Floor	Does not exist
Hood Fire Suppression System	
Instance on 1st Floor	Does not exist
Hot Water Temperature Booster	
Instance on 1st Floor	Does not exist
Kitchen Sink	
Instance on 1st Floor	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
Fire Booster Pump Assembly	Does not exist
Roof Tank	Does not exist
Siamese Connection	Does not exist
Sprinkler Alarm Valve Assembly	Does not exist
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
Duct- Register / Diffuser	Inspected
Condition	3- Fair

NYC Department of Education
Building Condition Assessment Survey 2008-2009

Mechanical Inspection

Q042

Question	Response
VENTILATION	
Duct- Register / Diffuser	
Deficiency	No deficiencies recorded
Exhaust Fan	
Condition	Inspected
Deficiency	2- Between Good and Fair
Fire / Smoke Damper	
Condition	Inspected
Deficiency	1- Good
Heating And Ventilating Unit	
Condition	Inspected
Deficiency	1- Good
Metal Ductwork	
Condition	Inspected
Deficiency	3- Fair
Supply Fan	
Deficiency	No deficiencies recorded
Unit Ventilator	
Deficiency	Does not exist