

**NYC Department of Education
Building Condition Assessment Survey 2023-2024**

Mechanical Inspection

R831



Asset: P.S. 74 - STATEN ISLAND, 211 DANIEL LOW TERRACE, STATEN ISLAND, NY, 10301

Inspection Id	Inspection Type	Time In	Last Edited
4320	MECHANICAL	2024-03-28 10:41AM	2024-03-28 02:53PM

Asset Data

Question	Answer
Have any Systems/Major Building Components been upgraded?	Systems: Gas Fired Domestic Water Heater Years: 2023 Systems: F&T/Steam Drip Traps; Terminal Unit Thermostatic Traps; Boiler Safety Valves (2 of 4); Climate Control System - Electric System Years: 2020 Systems: CO/Gas Leak Detection Years: 2018 Systems: Steam Condensate Return Pumping System Years: 2015 Systems: Boiler Safety Valves (2 of 4) Years: 2014
Are there fuel tanks?	Yes
Total # of above ground tanks	1
Total capacity of all above ground tanks in gal.	5,000
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	Roof - Fan Room
Are there any spaces with Missing or Defective CO Detectors?	No
Are there any Painted/Obstructed Sprinkler Heads?	Yes
Location(s)	Basement - Paint Room (painted, 2)
Are there any Emergency Stop Switches with Missing Hammers?	No components

Priority Condition

Exist Last Year?	Priority Category	Condition Description	Component Affected	Location Description	Person(s) Notified	Person(s) Title	Photo Image
Yes	Defective	Piping is corroded and leaking.	Sprinkler Piping	Boiler Room	Justin Settanni	Fireman	
Yes	Other	Defective	Gas Meter Room Exhaust Fan	Basement - Gas Meter Room	Justin Settanni	Fireman	

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	Throughout except Rooms 205A, 205B, 305A, 305B
Instance Condition	3- Fair
Instance Quantity	1

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Question	Response
CLIMATE CONTROL SYSTEM	
Pneumatic System	
Instance Quantity Uom	EACH
Building Area Covered by Operational System	0-20%
Deficiency	PNEUMATIC TUBING: DEFECTIVE/LEAKS AIR
Deficiency Location/Instance	Various Locations
Deficiency Quantity	100
Quantity Uom	L.F.
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Hybrid System	Does not exist
Electric System	Inspected
Instance	Rooms 205A, 205B, 305A, 305B
Instance Condition	1- Good
Instance Quantity	1
Instance Quantity Uom	EACH
Building Area Covered by Operational System	81-100%
Deficiency	No deficiencies recorded
COMPACTOR	Does not exist
CONVEYING	Does not exist
DOMESTIC WATER SYSTEM	
Domestic Cold Water System	
Gravity System	Does not exist
Pressure Booster System	Does not exist
Water Service	
Instance	Basement - Boiler Room, Crawlspace
Instance Condition	3- Fair
Instance Quantity	2
Instance Quantity Uom	EACH
Deficiency	WATER MAIN:MISSING BACKFLOW PREVENTION DEVICE
Deficiency Location/Instance	Basement - Boiler Room, Crawlspace
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	INSTALL
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Domestic Hot Water System	Inspected
Domestic Hot Water Remote Storage Tank	Does not exist
Domestic Water Heat Exchanger	Does not exist
Electric Domestic Water Heater	Does not exist
Gas Fired Domestic Water Heater	
Instance	Boiler Room
Instance Condition	1- Good
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	A.O. Smith
EquipmentId	N/A
Capacity/Size Quantity	75
Capacity/Size UOM	MBH Input
Capacity/Size 2 Quantity	74
Capacity/Size 2 UOM	Gallons

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Question	Response
DOMESTIC WATER SYSTEM	
Domestic Hot Water System	
Gas Fired Domestic Water Heater	
Source of Capacity/Size	Documented
Installation Year	2023
Source of Installation Year	Custodial Staff
Deficiency	No deficiencies recorded
Oil Fired Domestic Water Heater	
	Does not exist
Heat Pump Domestic Water Heater	
	Does not exist
Domestic Water Distribution Piping	
	Inspected
Condition	3- Fair
Deficiency	DAMAGED/MISSING INSULATION
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	200
Quantity Uom	L.F.
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
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
Deficiency	SEWAGE/WASTE PIPING:DEFECTIVE/LEAKS
Deficiency Location/Instance	Fuel Oil Tank Room
Deficiency Quantity	10
Quantity Uom	L.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	INTERIOR FLOOR DRAIN: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
Violations	No violations recorded
Sewage Ejector Pump	
	Does not exist
Sump Pump	
	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE
Deficiency Location/Instance	Boiler Room (1 of 2)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
DUAL TEMPERATURE SYSTEM (CHILLED AND HOT WATER)	
	Does not exist
FIXTURES	
	Inspected
Staff And Other	
	Inspected
Janitor Sink	
	Inspected

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Question	Response
FIXTURES	
Staff And Other	
Janitor Sink	
Condition	3- Fair
Deficiency	No deficiencies recorded
Lavatory/Sink	
Condition	3- Fair
Deficiency	DEFECTIVE AUXILIARY (FAUCET, SHUT OFF VALVE,ETC.)
Deficiency Location/Instance	3rd Floor Women's Toilet Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Toilet	
Condition	3- Fair
Deficiency	No deficiencies recorded
Urinal	
Condition	3- Fair
Deficiency	No deficiencies recorded
Student	
Drinking Fountain	
Condition	3- Fair
Deficiency	No deficiencies recorded
Lavatory/Sink	
Condition	3- Fair
Deficiency	DEFECTIVE AUXILIARY (FAUCET, SHUT OFF VALVE,ETC.)
Deficiency Location/Instance	3rd Boy's Toilet Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
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	
Does not exist	
Toilet	
Condition	3- Fair
Deficiency	No deficiencies 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	
Condition	4- Between Fair and Poor
Deficiency	DEFECTIVE
Deficiency Location/Instance	Basement - Gas Meter Room
Deficiency Quantity	1

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Question	Response
GAS SERVICE	
Gas Meter Room Exhaust Fan	
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Violations	No violations recorded
Gas Meter Room Vent	
Condition	Inspected
Deficiency	3- Fair
Gas Pressure Booster	
Condition	Inspected
Instance	Basement - Gas Meter Room
Instance Condition	3- Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Manufacturer	Eclipse
EquipmentId	N/A
Capacity/Size Quantity	1
Capacity/Size UOM	HP
Source of Capacity/Size	Inspector Estimate
Installation Year	1992
Source of Installation Year	Inspector Estimate
Deficiency	No deficiencies recorded
CO/Gas Leak Detection	
Condition	Inspected
Instance	Basement - Boiler Room, Gas Meter Room
Instance Condition	2- Between Good and Fair
Instance Quantity	1
Instance Quantity Uom	EACH
Installation Year	2018
Source of Installation Year	Custodial Staff
Deficiency	No deficiencies recorded
HEATING	
Condition	Inspected
Heating Coil In Ductwork	
Condition	Does not exist
Hydronic Heating	
Condition	Does not exist
Radiator/Convactor/Fin Tube	
Condition	Inspected
Deficiency	3- Fair
Steam Heating	
Condition	Inspected
F&T/Steam Drip Trap	
Condition	Inspected
Deficiency	1- Good
MER Steam and Condensate Piping	
Condition	Does not exist
Steam Condensate Return Piping	
Condition	Inspected
Deficiency	3- Fair
Deficiency	DEFECTIVE/LEAKS
Deficiency Location/Instance	Boiler Room; Corridors near Exit 2, Exit 4
Deficiency Quantity	40
Quantity Uom	L.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Steam Condensate Return Pumping System	
Condition	Inspected
Deficiency	2- Between Good and Fair
Deficiency	DEFECTIVE PUMP

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Question	Response
HEATING	
Steam Heating	
Steam Condensate Return Pumping System	
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	4
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Steam Piping	
Condition	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE VALVE
Deficiency Location/Instance	Basement Storage Area
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Terminal Unit Thermostatic Trap	
Condition	Inspected
Condition	1- Good
Deficiency	No deficiencies recorded
Steam supplied by External Sources	
Does not exist	
Unit Heater/Cabinet Heater	
Condition	Inspected
Condition	3- Fair
Deficiency	No deficiencies recorded
HEATING PLANT	
Instance on Basement	Inspected
Is there a water meter on the boiler make-up water piping?	No
Burner Manufacturer	Gordon-Pratt
Burner Model	F10-G0-15
Burner Type	Dual Fuel (Gas/Oil)
Heating Plant Oil Number	2
Boiler Auxiliaries	
Instance on Basement	Inspected
Boiler Auxiliary Piping	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	DEFECTIVE BOILER AUTOMATIC FEEDWATER VALVE
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Boiler Emergency Stop Switch	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Feedwater System	
Instance on Basement	Inspected
Instance Condition	3- Fair

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Question	Response
HEATING PLANT	
Boiler Auxiliaries	
Boiler Feedwater System	
Deficiency	FEEDWATER TANK:DEFECTIVE TANK AUXILIARIES(AUTO FEEDWATER VALVE, LOW LEVEL CUT OFF,ETC)
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Boiler Feedwater Treatment(Automatic)	
Instance on Basement	Does not exist
Boiler Flue Exhaust	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Boiler Make-up Water Backflow Preventer	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	DEFECTIVE RPZ
Deficiency Location/Instance	Boiler Room (1 of 2)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Boiler Room Steam And Condensate Piping	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	DEFECTIVE HEADER VALVE
Deficiency Location/Instance	Boiler Room @ Boiler #1
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Boiler Safety Valve	
Instance on Basement	Inspected
Instance Condition	1- Good
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

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HEATING PLANT	
Boiler System	
Steam Boiler	
Instance on Basement	Inspected
Instance	Boiler Room
Instance Condition	4- Between Fair and Poor
Instance Quantity	1,290
Instance Quantity Uom	MBH NET
Cast Iron Boiler?	No
Manufacturer	A. L. Eastmond & Sons Inc.
EquipmentId	101824-1
Capacity/Size Quantity	1290
Capacity/Size UOM	MBH Net
Source of Capacity/Size	Documented
Installation Year	1992
Source of Installation Year	Documented
Deficiency	DAMAGED/MISSING INSULATION
Deficiency Quantity	50
Quantity Uom	S.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	LEAKY/PLUGGED TUBES
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	DEFECTIVE STRUCTURAL ELEMENTS(TUBE SHEETS, STAY BOLTS, ETC.
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	REPAIR
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	DAMAGED REFRACTORY
Deficiency Quantity	20
Quantity Uom	S.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Deficiency	DEFECTIVE AUXILIARY (GAUGES, GASKETS ETC.)
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Instance	Boiler Room
Instance Condition	3- Fair
Instance Quantity	1,290
Instance Quantity Uom	MBH NET

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Question	Response
HEATING PLANT	
Boiler System	
Steam Boiler	
Cast Iron Boiler?	No
Manufacturer	A. L. Eastmond & Sons Inc.
EquipmentId	101824-2
Capacity/Size Quantity	1290
Capacity/Size UOM	MBH Net
Source of Capacity/Size	Documented
Installation Year	1992
Source of Installation Year	Documented
Deficiency	No deficiencies recorded
Fuel System	
Instance on Basement	Inspected
Boiler Fresh Air Louver/Damper	
Instance on Basement	Inspected
Instance Condition	5- Poor
Type	Automatic
Deficiency	DEFECTIVE/DETERIORATED
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
Burner/Burner Control Panel	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Fuel Oil Storage/Supply System	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Gas Trains And Vent At The Boiler	
Instance on Basement	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
Enclosed IDF Room	
Instance on Room 212	Inspected
Dedicated A/C Equipment	
Instance on Room 212	Inspected
Instance Condition	3- Fair
Deficiency	No deficiencies recorded
KITCHEN	
Instance on 1st Floor	Inspected
CO Detector	
Instance on 1st Floor	Not required
Gas System	
Instance on 1st Floor	Does not exist
Grease Trap	
Instance on 1st Floor	Does not exist
Hood	
Instance on 1st Floor	Does not exist
Hood Exhaust Ductwork	

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Question	Response
KITCHEN	
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	DEFECTIVE AUXILIARY (FAUCET, SHUT OFF VALVE,ETC.)
Deficiency Location/Instance	Kitchen
Deficiency Quantity	1
Quantity Uom	EACH
Potential Action	MAINTENANCE
Urgency of Action	PRIORITY 3
Purpose of Action	LEVEL 2
Violations	No violations recorded
MDF Room	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
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	3- Fair
Deficiency	DEFECTIVE/DETERIORATED
Deficiency Location/Instance	Basement - Paint Room (painted, 2)
Deficiency Quantity	2
Quantity Uom	EACH
Potential Action	REPLACE
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Violations	No violations recorded
Sprinkler Piping	Inspected
Condition	3- Fair
Deficiency	DEFECTIVE/LEAKS
Deficiency Location/Instance	Boiler Room
Deficiency Quantity	20
Quantity Uom	L.F.
Potential Action	REPLACE
Urgency of Action	PRIORITY 5
Purpose of Action	LEVEL 6
Violations	No violations 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	
Is the building Mechanically ventilated?	Yes
Exhaust Fan	Inspected
Condition	2- Between Good and Fair
Approximate Total # of Fans	1-25
Deficiency	No deficiencies recorded
Heating And Ventilating Unit	Does not exist
Metal Ductwork	Inspected
Condition	3- Fair
Are there any uninsulated ductwork by design in Mechanical rooms?	No
Are there chain operated dampers?	No
Deficiency	No deficiencies recorded
Supply Fan	Does not exist
Unit Ventilator	Does not exist