

3/18/2019

JACKIE GLEASON

OPEN ITEM REPORT

New York City Transit Authority

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2 Broadway

New York, NY 10004



architecture | engineering | energy efficiency | construction management

FACILITY NAME: Jackie Gleason**General****Main Gas Service**

Automatic Service Shut-off

**Condition****Priority:**

N/A

Condition:

N/A

Classification of Finding:

Category B - Violation of a code which was enacted after the time of construction/installation and is applicable regardless of the date of construction/installation

Responsible Party:**Component Integrity:**

Code Violation

12/04/18 - Condition remains 08/01/17 - Still exists. Trillium still has plans to construct a fire box. 09/13/16 - Valve still remains exposed, but Trillium has a plan in place to construct a fire box around the valve. This facility was built in 1999. The requirement to protect this valve from exposure was not implemented until the 2008 NYC fire code was developed. 10/30/14 - Per NYCFC 2208.7 the automatic shutoff valve shall be installed underground or otherwise protected from exposure to fire in an approved manner.

CNG Dryer

Safety relief valves tested within three years

**Condition****Priority:**

N/A

Condition:

N/A

Classification of Finding:

Category A - Violation of a code which was applicable at the time of construction/installation

Responsible Party:**Component Integrity:**

Code Violation

12/04/18 - Top right (in picture below) relief valve missing re-certification tag with date. 10/30/14 - Reference NFPA 52 8.10.2 11/13 - Wendel recommends that Trillium verifies all Safety Relief Valves are checked for proper test date.

Compressors**Compressor A Equipment**

Listed seal-offs are provided within 10ft of either side of the classified boundary [NEC 514.9(B), NEC 501.15(A)(4) , and NEC 501.15(B)(2)]



FACILITY NAME: Jackie Gleason**Condition****Priority:**

N/A

Condition:

N/A

Classification of Finding:

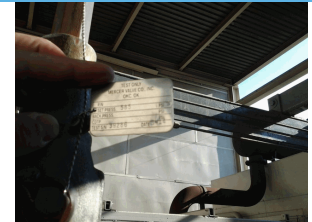
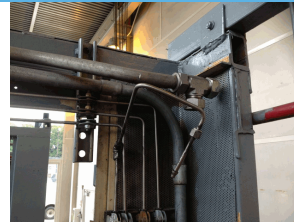
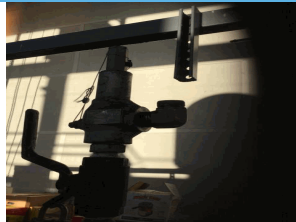
Category A - Violation of a code which was applicable at the time of construction/installation

Responsible Party:**Component Integrity:****Code Violation**

12/04/18 - Condition still exist 08/01/17 - Condition still exists. 09/13/16 - Clarification, 2 conduits have no seal off fittings. 10/30/14 - Condition still exists. 11/13 - No seal fittings at control panel conduits exiting control room

Compressor B Safety

Safety relief valves tested within three years

**Condition****Priority:**

N/A

Condition:

N/A

Classification of Finding:

Category A - Violation of a code which was applicable at the time of construction/installation

Responsible Party:**Component Integrity:****Code Violation**

12/04/18 - Re-certification tag missing. 10/30/14 - Pressure relief valve was recertified and good from 8/2014. 11/13 - Pressure relief valves are not tagged and dated indicating they have been tested within the past three (3) years in accordance with NFPA 52, Section 8.10.2. There are several pressure relief valves that are missing vent piping. Wendel recommends piping in accordance with NFPA 52 section 4.5, including Annex C. Wendel recommends that Trillium verifies all Safety Relief Valves are checked for proper test date.

Compressor B Equipment

Listed seal-offs are provided within 10ft of either side of the classified boundary [NEC 514.9(B), NEC 501.15(A)(4) , and NEC 501.15(B)(2)]

**Condition****Priority:**

N/A

Condition:

1 (Needs Replacing)

Classification of Finding:

Category A - Violation of a code which was applicable at the time of construction/installation

Responsible Party:**Component Integrity:****Code Violation**

12/04/18 - Condition still exist - Skid A construction has been awarded to Trillium and will be moving forward soon. 08/01/17 - Conditions still exists and plan to rectify once Skid A is operational. Skid A design is currently with procurement office. 09/13/16 - Trillium has a plan once Skid A is operational to take down 1 skid at a time and add seal-offs. 10/30/14 - Condition still exists. 11/13 - No seal fittings at control panels.

Compressor C Equipment

FACILITY NAME: Jackie Gleason

Listed seal-offs are provided within 10ft of either side of the classified boundary [NEC 514.9(B), NEC 501.15(A)(4) , and NEC 501.15(B)(2)]



Condition

Priority:

N/A

Condition:

1 (Needs Replacing)

Classification of Finding:

Category A - Violation of a code which was applicable at the time of construction/installation

Responsible Party:

Component Integrity:

Code Violation

12/04/18 - Condition still exists - Skid A construction has been awarded to Trillium and will be moving forward soon. 08/01/17 - Conditions still exists and plan to rectify once Skid A is operational still exists. Skid A design is currently with procurement office. 09/13/16 - Trillium has a plan once Skid A is operational to take down 1 skid at a time and add seal-offs. 10/30/14 - Conditions still exist. 11/13 - Seal fittings at control panels missing.

Compressor D Safety

Safety relief valves tested within three years



Condition

Priority:

N/A

Condition:

N/A

Classification of Finding:

Category A - Violation of a code which was applicable at the time of construction/installation

Responsible Party:

Component Integrity:

Code Violation

12/04/18 - Relief valve re-certification tag missing. No date. 07/15/15 - Spot checks confirmed relief valves are within compliance. 10/30/14 - Need to re-confirm all devices have been addressed. 11/13 - Pressure relief valves are not tagged and dated indicating they have been tested within the past three (3) years in accordance with NFPA 52. Wendel recommends that Trillium verifies all Safety Relief Valves are checked for proper test date.

Compressor D Equipment

Listed seal-off are provided in each run entering or leaving a compressor enclosure or any enclosures in direct communications therewith. [NEC 514.9]

FACILITY NAME: Jackie Gleason**Condition****Priority:**

N/A

Condition:

1 (Needs Replacing)

Classification of Finding:

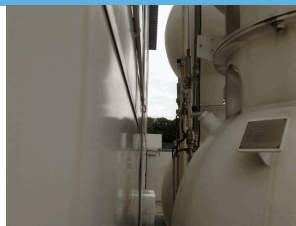
Category A - Violation of a code which was applicable at the time of construction/installation

Responsible Party:**Component Integrity:****Code Violation**

12/04/18 - Condition still exists - Skid A construction has been awarded to Trillium and will be moving forward soon. 08/01/17 - Conditions still exists and plan to rectify once Skid A is operational still exists. Skid A design is currently with procurement office. 09/13/16 - Trillium has a plan once Skid A is operational to take down 1 skid at a time and add seal-offs. 10/30/14 - Seal fittings missing for area class, condulets are not rated. 11/13 - Seal fittings missing condulets not rated.

Storage**Storage #1 Clearances**

Access to valves and fittings - 3 Feet (NFPA 52 8.4.2.5- 2010)

**Condition****Priority:**

N/A

Condition:

N/A

Classification of Finding:

Category A - Violation of a code which was applicable at the time of construction/installation

Responsible Party:**Component Integrity:****Code Violation**

12/04/18 - Condition still exist. 08/01/17 - Condition still exists and plan to relocate still exists. Other issues took priority up till now. Will be done soon. 09/13/16 - Trillium has a plan to relocate valves to the front of the storage spheres to provide required clearance and access. PRV's are permitted to be moved as long as they are in direct communication with the fuel. This facility was constructed in 1999. 10/30/14 - Wendel suggests moving the valves to the outside of the storage spheres to meet code and easier access. When referencing NFPA 52 4.5.1(3), the PRV's can be moved as long as they remain in direct communication with the fuel. Trillium Engineering reviewed and agrees with moving the valves. Violation will be removed upon completion. 11/13 - Approx 18" clear to valves.

Storage #1 Safety

Approved for CNG use

**Condition****Priority:**

N/A

Condition:

N/A

Classification of Finding:

Category A - Violation of a code which was applicable at the time of construction/installation

Responsible Party:**Component Integrity:****Code Violation**

12/04/18 - Relief valves have no tag with a date. Typ. of 4

FACILITY NAME: Jackie Gleason**Dispensers****Dispenser #1 Emergency Shutdown (ESD)**

ESD Located within 75 Feet of but not less than 25 Feet from fuel dispensers. (Fire Code 2208.7- 2009)

**Condition**

Priority:

Condition:

N/A

Classification of Finding:

Category C - Violation of a code which was enacted after the time of construction/installation and only applies to new construction/installation

Responsible Party:

Component Integrity:

Code Violation

12/04/18 - ESD is still break glass type. Needs to be replaced with re-settable push button.

Electrical Power Distribution Equipment**Transformers**

Equipment has Arc Flash label with PPE requirements?

**Condition**

Priority:

N/A

Condition:

N/A

Classification of Finding:

Category B - Violation of a code which was enacted after the time of construction/installation and is applicable regardless of the date of construction/installation

Responsible Party:

Component Integrity:

Code Violation

12/04/18 - Condition still exists. 08/01/17 - Condition still exists. 10/16 - 2009 NFPA 70E Article 130.3 says that the analysis must be reviewed at least every 5 years or whenever a major modification occurs 10/30/14 - Condition still exists. 11/13 - Equipment does not have required Arc Flash Labels per New York City Electric code (NEC 110.16)

Disconnects

Equipment is listed for use in classified areas

FACILITY NAME: Jackie Gleason**Condition****Priority:**

N/A

Condition:

N/A

Classification of Finding:

Category C - Violation of a code which was enacted after the time of construction/installation and only applies to new construction/installation

Responsible Party:**Component Integrity:****Code Violation**

12/04/18 - Condition still exists. 08/01/17 - Condition still exists. 02/20/17 - NEC 1993 Section 514-5 refers to NFPA 30A 1990 Section 9-4.5 and 9-5.3 which require emergency shutoff controls to be resettable. It is Wendel's interpretation that a break glass type is a replaceable solution and not a resettable solution. 09/13/16 - break glass type ESD on face of control building should be mushroom type.



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