

Tower
Inspection
Report



Site ID: 803589 > Site Name: NY 13/366 CAC 803589

Site Inspection Read Only

Inspection Type: Ground Incident Due Diligence Download Date: Nov 08 2017

Inspection Frequency: 12 MONTHS Inspection Due Date: Dec 31 2017

Inspection Date: Nov 08 2017 Legally Obligated: Yes

Inspector: David Knopka

Assigned TSA:

Access Road

- 1. Is the access road/vegetation acceptable? Yes No
- 2. Vegetation along shoulder inhibiting vehicular passage.
- 3. Natural or manmade debris creating a safety hazard to vehicular traffic.
- 4. Natural or manmade debris encroaching on Crown lease space.
- 5. Confirm access road is in good operable condition.
- 6. Passable, capable of providing safe access to the compound.
- 7. Free of restrictions to flow of water along drainage ditches, culverts and head walls.
- 8. Other Condition (please describe)

Compound Signage

- 1. Is the signage present and legible? Yes No
- 3. No Trespassing
- 4. Crown Marketing
- 5. Razor Wire (if applicable)
- 6. RF Exposure
- 7. Tripping Hazard
- 8. Confirm RF Caution is present at the climbing face or ladder.
- 9. Rooftop Only: Confirm presence RF Warning sign in addition to applicable signs above.
- 10. Other Condition (please describe)

Compound/Site Vegetation

- 1. Is the compound/site vegetation acceptable Yes No
- 2. Confirm the landscaping (if present) is in acceptable condition.
- 3. Free from threat of damage to equipment / compound from any dead vegetation (i.e. dead trees).
- 4. Free from vegetation growing on fence to an area of 2 ft. minimum beyond the fence.
- 5. Utility equipment free from excessive vegetation.
- 6. Grass growth in grass compounds kept to minimum 4 in. height to a distance of 2 ft. beyond the fence.
- 7. Confirm acreage under Crown responsibility is maintained per LL and / or local zoning as required.
- 8. Is the frequency and scope of the current vegetation control plan acceptable?
- 9. Other Condition (please describe)

Tower Compounds

- 1. Does the compound provide safe access to equipment and tower? Yes No
- 2. Confirm compound is free of abandoned equipment, construction remnants, trash, tree limbs and excessive amount of leaves.
- 3. Confirm Crown lease space is free of debris or material from neighboring property.
- 4. Confirm aggregate surfaces are free of standing water, mud and soil.
- 5. Other Condition (please describe)

Compound Fences and Gates

- 1. Is the compound fence and gate performing as barrier and devoid of any security breaches? Yes No
- 2. Confirm space beneath fence and compound surface does not pose a security risk.
- 3. Confirm fence post foundations are not exposed, unless originally intended.
- 4. Confirm lock is in good working condition and properly lubricated.
- 5. Confirm all components (wood, galvanized framing, barbwire, etc.) are in good working order and performing as a barrier to entry.
- 6. Other Condition (please describe)

Grounding Read Only

- 1. Are all grounding connections in acceptable condition? Yes No
- 2. Confirm at least one ground lead exists on all monopoles and guyed towers.
- 3. Confirm each leg of a SS tower is grounded (one ground lead per leg).
- 4. Confirm grounding wires, without conduit, which pass through foundations or grout do not have obvious signs of a lightning strike near or around the point of entry into the foundation or grout.
- 5. Confirm Tower Structure is grounded with a mechanical or cad-weld connection that reads 5 ohms or less.

Site Grounding System Resistance Checks: (4 checks required)

Type	Ohms
Tower	0

Tower	0	
Customer Bus bar	0	
Customer Bus bar	0	

Average: 0 Ohms

6. Confirm all mechanical grounds are free of gross corrosion and are coated with an anti-corrosive compound such as Koper-shield.

7. Confirm all lighting and monitoring systems are properly grounded, absent of 90 degree turns, use of proper two lug connection and free of corrosion.

8. Confirm Crown bus bars are present and free of any obvious gross corrosion.

9. Other Condition (please describe)

Chem Rods

Structure (A)

Are Chem Rods present? Yes No

Tower Structure

Cathodic Protection Instructions Document

Structure (A)

What type of cathodic protection is present? None

Inspection Ports and Shelters Read Only

Shelter Inventory Form

Is there a Crown maintained or Cingular Shelter on site? Yes No

Utilities Read Only

1. Are utilities in good operable condition? Yes No

2. Confirm all shelter or equipment room items are in good operable condition: (Doors, locks, latches, lights, flooring, fire extinguisher, stairs, ladders, handrails, roofs, hatches, etc.)

3. Confirm customer owned utilities are in good operable condition and devoid of gross deficiencies.

4. Other Condition (please describe)

Tower Lighting, Marking and Monitoring Read Only

Structure (A)

Is tower Lighted? Yes No (Note: Tower Is lighted if Controllers are added.)

Tower Lighting

Structure (A)

Tower Marking

Structure (A)

This section applies only if Tower Painting is required.

Tower Monitoring

Structure (A)

1. Monitoring System Verification? Yes No

Confirmation Number: _____

Emergency Power/Portable Generators Read Only

1. Are all generators in acceptable condition? Yes No

2. Confirm emergency/portable power generators are in good operable condition, free of fuel leaks and corrosion on or around tanks, valves, connections, lines, etc.

3. Other Condition (please describe)

Generators

ID	Owner	Fuel Level	Hr Meter	Service Dt.	Run Test	Describe	Maintenance
1	Tenant						

Confirm no leaks or spills

ID	Owner	Leaks/Spills	Ticket #	Comment
1	Tenant	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

Ground Space Identification

1. Is the data below accurate including available ground space within compound? Yes No

Ground Space Details

Leased Area

ID	Use	Tenant	Length	Width	Construction Type
A	Available Space	Tenant	10.0	10.0	

Comments

[Empty text box with scroll arrows]

Migratory Bird Details Read Only

Structure (A)

1. Are there currently any nests observed on the tower? Yes No

Bird Nests On Structure A

Nest Observed on Date of Inspection	Inspection Date	Height of Nest	Occupied at time of Inspection	Species	Date Discovered

Tower Structure - General Read Only

Structure (A)

1. Confirm the overall tower structure is in a safe, regulatory and operable condition, with no obvious defects or signs of distress

No Action Priority Action Required Routine Action Required Repaired NA

Description:

[Empty text box with scroll arrows]

2. Confirm AM Detuning Kit is in good operable condition.

3. Confirm the tower is visually plumb and free of excessive twist.

4. Confirm the tower connections are visually free of missing bolts or other connection devices, unusual movement and misalignments.

No Action Priority Action Required Routine Action Required Repaired NA

Description:

[Empty text box with scroll arrows]

5. Other Condition (please describe)

No Action Priority Action Required Routine Action Required Repaired NA

Description:

[Empty text box with scroll arrows]

Tower Structure

Structure (A)

Is the Tower Tag present? Yes No

Tower Tag Data

Manufacturer:	ENGINEERED ENDEAVORS, INC.
Model:	13279
Drawing/Serial #:	GSC 33268

Stealth Tower

Structure (A)

This section applies to Stealth Towers only.

Corrosion

Structure (A)

1. Confirm no gross corrosion exists on the tower components (legs, cross members, anchor bolts, guy wire and guy anchors).

No Action Priority Action Required Routine Action Required Repaired NA

Description:

[Empty text box with scroll arrows]

2. Confirm leg drain holes in hollow tower legs at the tower base are open for drainage and display no evidence of rust scale collecting inside the tower leg? (Guyed/Self Support Towers)

No Action Priority Action Required Routine Action Required Repaired NA

Description:

[Empty text box with scroll arrows]

3. Other Condition (please describe)

No Action Priority Action Required Routine Action Required Repaired NA

Description:

[Empty text box with scroll arrows]

Appurtenances

Structure (A)

1. Confirm (visually) all antennas, dishes & cover, mounts, sleds, and shields are securely attached to the tower and /or rooftop

No Action Priority Action Required Routine Action Required Repaired NA

Description:

2. Confirm the safety climb device and climbing facilities are visually free of obvious defects and obstructions. (of the climbing facilities; Including installed anchorages, tie-off hardware and posted "Safety Climb Warning Sign")
 No Action Priority Action Required Routine Action Required Repaired NA
 Estimated Price: Min: \$ _____ Max: \$ _____
Description:
 Safety climb is rubbing on coax and sector mount

3. Confirm all coax visually appear securely attached to the tower and or rooftop
 No Action Priority Action Required Routine Action Required Repaired NA
Description:

4. Other Condition (please describe)
 No Action Priority Action Required Routine Action Required Repaired NA
Description:

Foundations

Structure (A)

1. Confirm the foundation is free of major cracking (>= 1/16), has no exposed rebar, does not appear to have cracks that pass through the anchor bolts and / or does not impact the base plate.
 No Action Priority Action Required Routine Action Required Repaired NA
Description:

Crack Monitor Details

Monitor Position Previous Reading Current Reading

2. Confirm there is no standing water on or around foundation which adversely affects the grout or anchor bolts.
 No Action Priority Action Required Routine Action Required Repaired NA
Description:

3. Other Condition (please describe)
 No Action Priority Action Required Routine Action Required Repaired NA
Description:

Guy Point Components

Structure (A)

This section applies to Guyed Towers only.

Guy Anchor Compound and Fencing

Structure (A)

This section applies to Guyed Towers only.

Light Duty Tower

Structure (A)

This section applies to Light Duty Towers only.

Baseplate Procedure Read Only

Structure (A)

Base Plate Dimensions - Measure and Record Base Plate Dimensions

(A) Base Plate Thickness: 2.5 in

(B) Fastening Nut Size (leveling or top nut): 2.25 in

(C) Distance from top of Foundation (concrete) to bottom surface of Baseplate (steel): 2.5 in

Connection Type (Monopole only): Butt Joint

Number of Sides: 18

Number of Anchor Rods: 16

Locking Device Type: Torque Line

Baseplate Fasteners

Structure (A)

1. Confirm all fasteners are at least handtight, locking devices/torque lines exist for all anchor rods and are in proper condition and leveling nuts are snug and flush to bottom of baseplate.

No Action Priority Action Required Routine Action Required Repaired NA

Description:

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2. Confirm appropriate amount of anchor rod revealing above the nut.

- No Action Priority Action Required Routine Action Required Repaired NA

Description:

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3. Confirm the existence of an anchor rod nut locking device or torque line.

- No Action Priority Action Required Routine Action Required Repaired NA

Description:

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4. Other Condition (please describe)

- No Action Priority Action Required Routine Action Required Repaired NA

Description:

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Baseplate Exterior

Structure (A)

1. Confirm there are no toe cracks at the top of the weld bead.

- No Action Priority Action Required Routine Action Required Repaired NA

Description:

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2. Confirm there are no cracks in heat affected zone (HAZ)

- No Action Priority Action Required Routine Action Required Repaired NA

Description:

Text input field with expand/collapse arrows on the right.

3. Confirm there are no weld cracks (e.g. baseplate to shaft, gusset plate to shaft / baseplate, etc.) in heat affected zone (HAZ).

- No Action Priority Action Required Routine Action Required Repaired NA

Description:

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4. Confirm there are no weld voids.

- No Action Priority Action Required Routine Action Required Repaired NA

Description:

Text input field with expand/collapse arrows on the right.

5. Confirm there are no incomplete welds.

- No Action Priority Action Required Routine Action Required Repaired NA

Description:

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6. Confirm there is no baseplate corrosion.

- No Action Priority Action Required Routine Action Required Repaired NA

Description:

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7. Confirm there is no missing / worn galvanize coating.

- No Action Priority Action Required Routine Action Required Repaired NA

Description:

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8. Other Condition (please describe)

- No Action Priority Action Required Routine Action Required Repaired NA

Description:

Text input field with expand/collapse arrows on the right.

Baseplate

Structure (A)

Questions 1 - 3 are related to buried towers only

4. Confirm anchor rod is free of corrosion and damage

- No Action Priority Action Required Routine Action Required Repaired NA

Description:

5. Confirm condition of grout

No Action Priority Action Required Routine Action Required Repaired NA

Description:

6. Confirm weep holes are clear of debris and there is no retained water in shaft or legs and that the structure drains freely.

No Action Priority Action Required Routine Action Required Repaired NA

Description:

7. Other Condition (please describe)

No Action Priority Action Required Routine Action Required Repaired NA

Description:

Guy Cable Tension Read Only

Structure (A)

This section applies to Guyed Towers only.

Inspection Report - General Comments Read Only

General Comments:

First visit to site. Site is in good condition. No changes to the site. DK

Previous Inspection Comments:

Inspection Date: 2017-11-08
 Comment: First visit to site. Site is in good condition. No changes to the site. DK

Inspection Date: 2016-10-05
 Comment: first GBI on site.. site looks good.. no issues on site.. added the number stickers to the tower.. tower mounts are in compound, no TT.. no changes to the site.. EJS

Inspection Date: 2015-11-11
 Comment: 1st visit to site, site looks good. Removed razor wire sign, no razor wire, Hung obstructed S/C as precaution.. Red lined gate location on site plan.. Noted tower mounts in compound, did not open ticket. No work from T-Mob yet. No other issues.. ES..

Inspection Date: 2014-10-16
 Comment: on site for GBI.. site looks good.. sprint is installed per print, no AT&T yet, no Verizon dish.. applied sticker to faded sign.. updated fall zone data.. nothing further to report.. DW

Inspection Date: 2013-10-09
 Comment: First visit to site. Site is in good condition, no changes to base or levels. Added Entry Port availability information.