



Site ID: 877803 > Site Name: LEE'S SUMMIT FIRE STATION

Site Inspection [Read Only](#)

Inspection Type: Ground Incident Due Diligence **Download Date:** Feb 07 2018
 Inspection Frequency: 12 MONTHS **Inspection Due Date:** Mar 31 2018
 Inspection Date: Feb 07 2018 **Legally Obligated:** Yes
 Inspector: Emily McCampbell
 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

No Action Priority Action Required Routine Action Required Repaired NA

Description:

4. Crown Marketing

No Action Priority Action Required Routine Action Required Repaired NA

Estimated Price: Min: \$ 0 Max: \$ 0

Description:

The marketing sign only had one point of contact with the tower so FOT reattached to the metal banding that wraps around the tower.

5. Razor Wire (if applicable)

No Action Priority Action Required Routine Action Required Repaired NA

Description:

6. RF Exposure

No Action Priority Action Required Routine Action Required Repaired NA

Description:

7. Tripping Hazard

No Action Priority Action Required Routine Action Required Repaired NA

Description:

8. Confirm RF Caution is present at the climbing face or ladder.

No Action Priority Action Required Routine Action Required Repaired NA

Description:

9. Rooftop Only: Confirm presence RF Warning sign in addition to applicable signs above.

No Action Priority Action Required Routine Action Required Repaired NA

Description:

10. Other Condition (please describe)

No Action Priority Action Required Routine Action Required Repaired NA

Description:

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.

No Action Priority Action Required Routine Action Required Repaired NA

Estimated Price: Min: \$ 0 Max: \$ 0

Description:

T-Mobile has some abandoned equipment on their concrete pad and since this is a site the public has access to, FOT emailed CM Schmitz for assistance in removal in order to keep the site clean and orderly.

3. Confirm Crown lease space is free of debris or material from neighboring property.

No Action Priority Action Required Routine Action Required Repaired NA

Description:

4. Confirm aggregate surfaces are free of standing water, mud and soil.

No Action Priority Action Required Routine Action Required Repaired NA

Description:

5. Other Condition (please describe)

No Action Priority Action Required Routine Action Required Repaired NA

Estimated Price: Min: \$ 0 Max: \$ 0

Description:

Since this is a public site, FOT will return and clean up all debris from the compound area.

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	.07	
Tower	.05	
Tower	.05	
Customer Bus bar	.06	

Average 0.0575 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?

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

A	Tenant								
B	Tenant								

Confirm no leaks or spills

ID Owner Leaks/Spills Ticket # Comment

A	Tenant		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
B	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
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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	Occupied at time	Species	Date Discovered
Date of Inspection	Inspection Date	Height of Nest	of Inspection

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:

- 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:

5. Other Condition (please describe)

No Action Priority Action Required Routine Action Required Repaired NA

Description:

Tower Structure

Structure (A)

Is the Tower Tag present? Yes No

Tower Tag Data

Manufacturer:	ENGINEERED ENDEAVORS, INC.
Model:	Q26501
Drawing/Serial #:	21707

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:

- 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:

3. Other Condition (please describe)

No Action Priority Action Required Routine Action Required Repaired NA

Description:

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: \$ 0 Max: \$ 2500

Description:

The safety climb is undertensioned and is not secured in it's cable guides in a few places.

- 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 ($\geq 1/16$), 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

MonitorPosition 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: in

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

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

Connection Type (Monopole only):

Number of Sides:

Number of Anchor Rods:

Locking Device Type:

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:

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

No Action Priority Action Required Routine Action Required Repaired NA

Description:

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:

4. Other Condition (please describe)

No Action Priority Action Required Routine Action Required Repaired NA

Description:

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:

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

No Action Priority Action Required Routine Action Required Repaired NA

Description:

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:

4. Confirm there are no weld voids.

No Action Priority Action Required Routine Action Required Repaired NA

Description:

5. Confirm there are no incomplete welds.

No Action Priority Action Required Routine Action Required Repaired NA

Description:

6. Confirm there is no baseplate corrosion.

No Action Priority Action Required Routine Action Required Repaired NA

Description:

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

No Action Priority Action Required Routine Action Required Repaired NA

Description:

8. Other Condition (please describe)

No Action Priority Action Required Routine Action Required Repaired NA

Description:

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:

Site is in good condition. Shelter Inventory Form Complete. Updated Utilities Tab. Updated Ground Space Information. Redlined Site Plan again to reflect that there is not a chainlink fence with barbed wire on this site, but vinyl instead. Updated Generator Tab. T-Mobile has some abandoned equipment on their concrete pad and since this is a site the public has access to, FOT emailed CM Schmitz for assistance in removal in order to keep the site clean and orderly. The safety climb is undertensioned and is not secured in it's cable guides in a few places. The marketing sign only had one point of contact with the tower so FOT reattached to the metal banding that wraps around the tower. Since this is a public site, FOT will return and clean up all debris from the compound area.

Previous Inspection Comments:

Inspection Date: 2018-02-07

Comment: Site is in good condition. Shelter Inventory Form Complete. Updated Utilities Tab. Updated Ground Space Information. Redlined Site Plan again to reflect that there is not a chainlink fence with barbed wire on this site, but vinyl instead. Updated Generator Tab. T-Mobile has some abandoned equipment on their concrete pad and since this is a site the public has access to, FOT emailed CM Schmitz for assistance in removal in order to keep the site clean and orderly. The safety climb is undertensioned and is not secured in it's cable guides in a few places. The marketing sign only had one point of contact with the tower so FOT reattached to the metal banding that wraps around the tower. Since this is a public site, FOT will return and clean up all debris from the compound area.

Inspection Date: 2017-01-18

Comment: Site is in good condition. Updated Utilities Tab. There is a dead tree and three dipoles resting in the NE corner of the compound that need to be removed. Updated Generator Tab. FOT replaced RF Caution Overlay on Climbing Facility. Unable to capture tower photos from the North, South, and West Sides of the tower due to terrain. Redlined Site Plan due to it stated there was a chainlink fence on the south side of the compound, when it is actually a vinyl fence.

Inspection Date: 2016-01-27

Comment: GBI conducted. Site appears to be in good condition *Access road coordinates added to site directions *Admin data updated to include TMO and Lee's Summit Fire Dept. *Utilities data updated *Generator/ground space data updated *Tower tag data updated *Unable to get S tower photos due to terrain *No lock or chain on compound