

# ATTACHMENT 4

**ANTENNA AND TOWER ROUTINE INSPECTION**

**SITE NAME: Mt Constitution to Bellingham**

**SITE LOCATION: Orcas Island, WA.**

**SITE CLLI \_\_\_\_\_**

**DATE: 12/13/2017**

**INSPECTED BY: Larry Hogue**

## Antenna and Tower Routine Inspection

### 1. Tower - Structure

Inspect	OK	Dev.	NA
Nuts and bolts for tightness.	_x_	___	___
Guy wire for proper tension	_x_	___	___
Guy wire condition – Fraying, broken, etc	_x_	___	___
Condition of concrete footings. (Cracking, settling & etc.)	_x_	___	___
Paint - Fading, peeling, etc.	_x_	___	___
Ladders & steps - safe and secure	_x_	___	___
Safety climbing device - safe and secure	_x_	___	___
Grounding and lightning protection - satisfactory	_x_	___	___
Structural units – damaged or missing	_x_	___	___
Tower lighting - operating correctly	_x_	___	___

### 2. Antenna & Waveguide

Waveguide - properly supported	_x_	___	___
Flex waveguide - good condition	___	___	_x_
Connector Heads - sealed properly	_x_	___	___
Flex waveguide jumpers – correctly placed	___	___	_x_
Antenna nut and bolts – tight and secure	_x_	___	___
Antenna mount – tight and secure	_x_	___	___
Azimuth and stiff arms – tight and secure	_x_	___	___
Antenna covers – good condition	_x_	___	___
Waveguide hatch – sealed and grounded	_x_	___	___

Note: If any Deviations are found explain in detail in notes section.

## Antenna and Tower routine inspection

### 3. Air Pressure

Inspect	OK	DEV.	NA
Dehydrator Manifold – installed properly	___	___	_x_
Pressure – correct for antenna and system	___	___	_x_
Waveguide system – tight – no air leaks	___	___	_x_
Pressure alarm switches – installed and functioning	___	___	_x_
Horn antennas – water traps and proper pressure	___	___	_x_

### 4. Environment

Path obstructions - Trees, shrubs, weeds and buildings.	_x_	___	___
Security - Gates, fences and doors secure.	_x_	___	___
General appearance – Weeds, Trash & etc.	_x_	___	___

### 5. Deviations notes, exceptions and recommendations

Explain in detail:    **NA**