

TRAIN'S TOWERS, INC.



TOWER INSPECTION REPORT

Prepared for RUTGERS UNIVERSITY

COLLEGE FARM RD.

OCTOBER 5 1999

P.O. BOX 16 • HADDON HEIGHTS, NJ 08035

TRAIN'S TOWERS, INC.

Tower Inspection Report

The following is a summary report of our recent inspection at your tower site. This report is compiled from and complies with the EIA Inspection Standard form 222E.

Date of inspection:	OCTOBER 5 1999
Ordered by:	TIM ESPAR
Inspected by:	TETI, DAKNIS, REED
Tower owner:	RUTGERS UNIVERSITY
Tower location:	COLLEGE FARM ROAD
Date of construction:	1973
Tower mfg. and model:	UNKNOWN
Tower height:	110'
Lighting mfg.:	N/A
Galv. or Paint:	PAINT
Ground system:	#2 STRAND

Recommendations for Tower Repair and Improvements

UPPER SET OF WIRES IS RUSTED AND SHOULD BE REPLACED
LOWER SET SHOULD BE REPLACED TO KEEP WIRES CONSISTENT

TOWER PAINT IS POOR CONDITION AND TOWER IS BEGINNING TO RUST TOWARDS THE TOP
TOWER IS PAINTED TO FAA SPEC. ALTHOUGH THIS IS NOT NECESSARY FOR A STRUCTURE THIS TALL

Recommendations for Antenna Systems Repair and Improvements

TRANSMISSION LINE SHOULD BE RUN DOWN THE LEG IN HANGERS AS OPPOSED TO TY-WRAPS
TY-WRAPS ARE BRITTLE AND CLOSE TO FAILURE
PROPER ENTRY PORT SHOULD BE INSTALLED TO MINIMIZE RODENT PENETRATION

BUILDING & SITE COND.	SAT.	UNSAT.	N/A	REMARKS
BUILDING CONDITION	XX			
FENCE	XX			
GENERATOR			XX	
PROPANE TANKS			XX	
GROUNDING	XX			
DOOR HINGES	XX			
WATER/RODENT PENET.	XX			
ACCESS ROAD COND.	XX			
PARKING AREA COND.	XX			
FOUNDATION				
GEN. GROUND COND.	XX			
SOIL EROSION	XX			
BASE PIERS	XX			
CRACKING	XX			
CHIPPING	XX			
SPALLING	XX			
SETTLING/TILT	XX			
ANCHOR BOLT CORROS.	XX			
GROUT CONDITION			XX	
WEEP HOLES			XX	
GROUND SYSTEM				
GEN GROUND SYSTEM	XX			
CONNECTIONS	XX			
CONDUCTOR SIZE	XX			
NUMBER OF GND RODS			XX	
LPS			XX	
FENCE GROUND		XX		NOT GROUNDED
BUILDING GROUND	XX	X		NOT TO R-56 SPEC
CABLE TRAY GROUND			XX	
TOWER STRUCTURE				
STEEL CONDITION	XX			
TOWER PLUMB	XX			
TEMP/WIND VELOCITY	XX			
JOINTS AND SPLICES	XX			
BENT MEMBERS	XX			
LOOSE MEMBERS	XX			
MISSING MEMBERS	XX			
NUT AND BOLT COND.	XX			
LOOSE NUTS/BOLTS	XX			
MISSING NUTS/BOLTS	XX			
LADDER/ SAF. CLIMB			XX	
STEP BOLTS			XX	
STAR MOUNT			XX	
PLATFORM/CATWALKS			XX	
CHECK 100% OF BOLTS	XX			

PAINT CONDITIONS	SAT.	UNSAT.	N/A	REMARKS
FAA MARKING/FADE		XX		NOT REQUIRED FOR THIS TOWER
PEELING/CRACKING		XX		
FAILURE/RUST		XX		
GALVANIZING			XX	
LIGHTING AND ELECT.				
BEACON(S)			XX	
BEACON LENS			XX	
SIDE MARKERS			XX	
SIDE MARKER LENS			XX	
BULBS			XX	
GASKETS			XX	
FLASHER			XX	
PHOTO CONTROL UNIT			XX	
STROBE SYSTEM			XX	
CONDUIT CONDITION			XX	
CONDUIT VENT CLEAR			XX	
UF CONDITION			XX	
JUNCTION BOX CONDIT.			XX	
ELECTRICAL CONNECT.			XX	
MECHANICAL CONNECT.			XX	
LIGHTNING ROD(S)			XX	
HARDWARE AND ACCESSORIES				
MOUNTING BRACKETS			XX	
BOOMS			XX	
STIFF ARMS			XX	
CLAMPS			XX	
ICE GUARDS			XX	
ANTENNAS AND LINES				
COAX TRANS LINES	XX			
PRESSURIZATION	XX			
JUMPERS	XX			
END CONNS/FITTINGS	XX			
WRAP LOKS/HANGERS		XX		LINE HANGERS SHOULD BE INSTALLED
SEALANT/WTHRPROOF	XX			
MICROWAVE DISHES			XX	
DRAIN HOLES CLEARED	XX			
ANTENNA MOUNT HW	XX			
TWO-WAY ANTENNAS			XX	
ANTENNA MOUNT HW			XX	
GROUNDING		XX		GROUPS ARE OLD AND SHOULD BE REPLACED
ORIENTATION	XX			
ANTENNA PLUMB	XX			
ANTENNA LEVEL	XX			
ENTRANCE/BUILDING		XX		PROPER ENTRY SHOULD BE INSTALLED
COLOR CODES			XX	
TAGS			XX	

ANTENNA LIST

SITE:

[illegible]



A



B



A



B



A



B



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