ST 7.8.1
Page 1 of 5, Rev 3
RC:mc

2·75-3-4

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM UNITS 2 and 3

SURVEILLANCE TEST

ST 7.8.1 WATER LEVEL INSTRUMENTATION
ENVIRONMENTAL
TECHNICAL SPECIFICATION: 2.3 and 3.3

Test Frequency:

Four times a year until Unit 3 has been in commercial operation for one year.

Test Results:

A. All of the asterisked steps were completed SATISFACTORILY.

PERFORMED BY: _____ _____
SIGNATURE TIME/DATE

_____ 1450 7-23-85
SIGNATURE (SHIFT SUPERVISION) TIME/DATE

B. One or more of the asterisked steps was completed UNSATISFACTORILY.
Refer to Tech Spec 2.3 and 3.3.
Environmental
NRF _____

_____ _____
SIGNATURE TIME/DATE

_____ _____
SIGNATURE (SHIFT SUPERVISION) TIME/DATE

IMMEDIATELY NOTIFY PLANT SUPERINTENDENT OR ALTERNATE.

_____ _____
NAME OF PERSON NOTIFIED TIME/DATE

_____
SIGNATURE OF SHIFT SUPERINTENDENT OR SUPERVISOR

Additional action required if other portions of test did not function properly or other discrepancies were noted during test.

1. NRF submitted: NRF _____.
2. Other:

_____ _____
SIGNATURE DATE

REVIEWED BY: _____ 7/24/85
PLANT STAFF SUPERVISION DATE

PURPOSE:

To determine the noise levels at the site boundary.

REFERENCES:

Environment Technical Specifications.

PREREQUISITES:

1. Unit 2 or Unit 3 operating. Both at 50% pwr
2. Cooling Towers in service. A ✓ B ✓ C ✓ (Check)
3. North Substation operating normally. ✓
4. Calibrate sound level meter. ✓

TEST EQUIPMENT REQUIRED:

Sound level meter which meets the requirements of ANSI Standard S 1.4-1971, "Sound Level Meters".

PROCEDURE:

1. At the locations shown on Figures ST 7.8.1-1 and ST 7.8.1-2, measure the sound level. N/A

READING TAKEN AT A^1 IS A TECH SPEC LIMIT, A^2 IS TAKEN FOR INFORMATION PURPOSES ONLY.

2. Record the sound level readings on Data Sheet ST 7.8.1-1 when meter stability is achieved during a calm, windless day. Meters are very susceptible to background noise (e.g., birds chirping). Readings should be representative of the cooling tower noise contribution to the environment. N/A

3. The sound levels measured should be equal to or less than the limit shown. N/A

4. Inform Shift Supervision of the results of this test, and fill out the TEST RESULTS Section on the front page of this procedure. N/A

THIS COMPLETES THE NOISE LEVEL MEASUREMENT TEST.

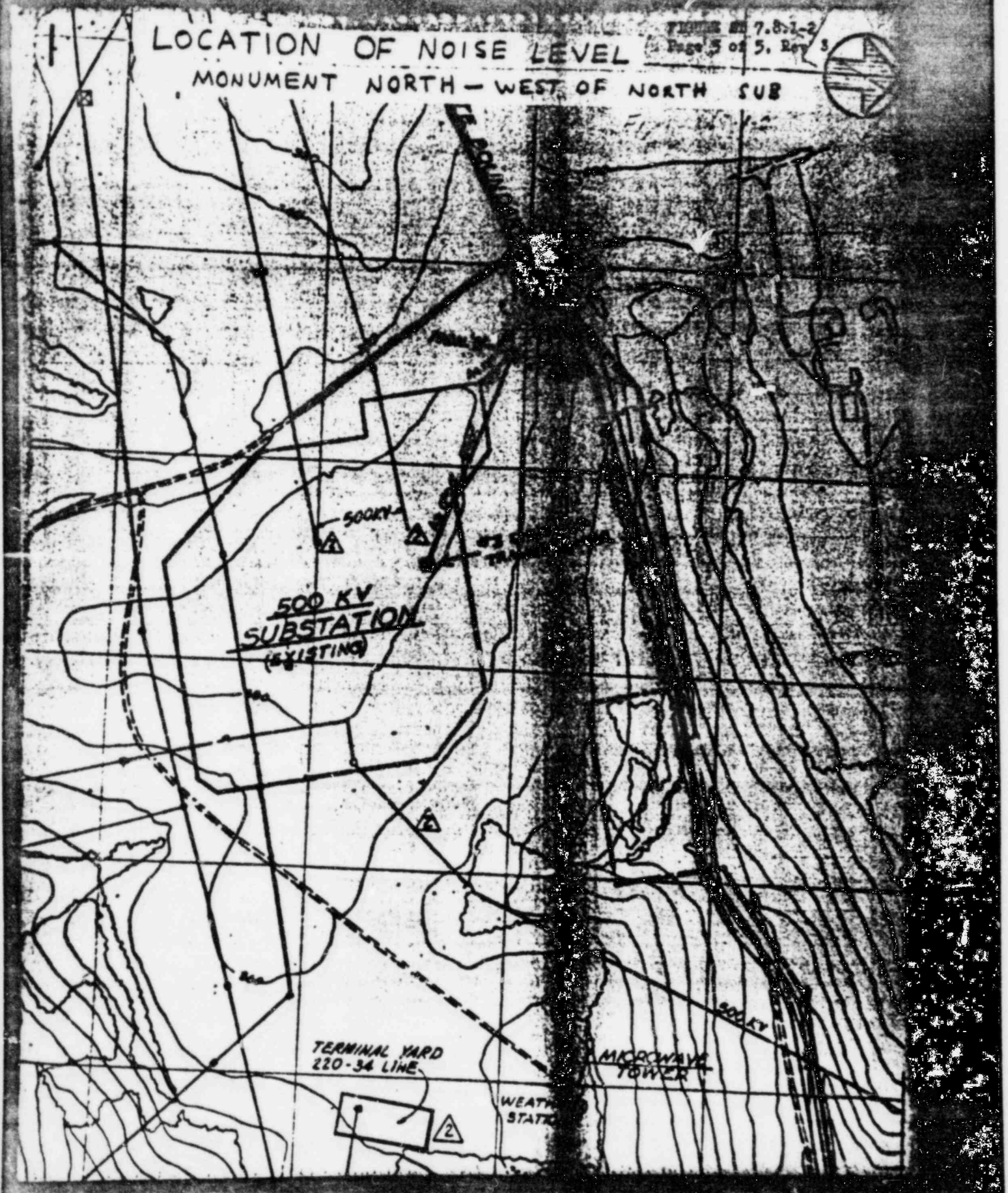
DATA SHEET ST 7.8.1-1

NOISE LEVEL MEASUREMENTS

MARKER	LOCATION	READING	UNIT
A^1	1800 feet south of "C" Cooling Tower, between discharge structure and "C" Cooling Tower.	43 dB	45 dB(A) •
A^2	South of "C" Cooling Tower, near discharge structure.	45 dB	45 dB(A)
B	North-west of North Substation. 300 feet west of #3 start-up transformers.	41 dB	60 dB(A) •

LOCATION OF NOISE LEVEL MONUMENTS

FIGURE 8E 7.8.1-1
Page 4 of 5, Rev 3


LOCATION OF NOISE LEVEL
MONUMENT NORTH – WEST OF NORTH SUB
FIGURE NO. 7.8-2-2
Page 5 of 5, Rev. 3
500KV
500 KV
SUBSTATION
(EXISTING)
TERMINAL YARD
220-34 LINE
MICROWAVE
TOWER
500 KV